Field Notes
R. M. Anderson
BOOK V
1909-10.
August to March

August, 1909.

S	M	T	W	T	F	S
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September, 1909.

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October, 1909.

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November, 1909.

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December, 1909.

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January, 1910.

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February, 1910.

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March, 1910.

S	M	T	W	T	F	S
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Field Notes.

From
August 22nd, 1909, to
March 14th, 1910.

From Herschelf Island, Yukon Territory, Canada, east through Mackenzie Delta, to Richard Island, N.W.T., Toker Point, Cape Brocon, Cape Dalhousie, Liverpool Bay, Nicholson Island, Baillie Island, Cape Bathurst, Franklin Bay, Horton River, Langton Bay, Cape Parry, Booth Island, and back to Langton Bay.

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Book V.

1909.

August 22 (Sunday). Herschell Island, Yukon Territory, Canada. M.T. +32° +33° at 2:00 a.m.
Sailed from Flaxman Island at 1:30 a.m. in Nunagakshuk's sloop with Slavinirk and Pikalo in whale boats. Snow flying and ground white with snow. Strong S.W. wind. Wind died down completely at 2:30 a.m. when we were about half a mile from the whaling station harbor, and we had to row in. Breeze freshened from N.W. just as we entered harbor (at 3:00 a.m.). Captain Theodore Pedersen's schooner "Challenge, Nicalaska" lying in harbor. Constable ~~Sergt.~~ T. Pearson and Constable Sam. Carter, R.N.W.M.P., in charge of Barracks. The new officer, Inspector Jennings, had gone to Baillie Island, with Sergt. Selby of Ft. McPherson, and Constable Kinney, recently transferred from Herschell Island to McPherson. Bishop Stringer and Missionary Whittaker are cruising to the East of Mackenzie in Whaleboat. Schooner "Rose" of San Francisco, after wintering at Flaxman Island sailed East about two weeks ago. Steamer "Karluk" of San Francisco, arrived ~~Friday~~ Thursday Aug. ~~30th~~ 19th, and dropped anchor outside, but did not enter harbor. Capt. Cottle of New Bedford, commanding.

August 22 (Sunday)

The "Karluk" took on Mr. Stefánsson with "Billy" and Pannigabluk, umiak with load, and three dogs. Stefánsson left a note for me, saying that he would be landed somewhere near Cape Parry on this side, with ample supplies. My party was urged to follow as fast as possible by boat and if need be by sled later. A few letters and papers were here for me — some via Dawson last winter, others via Ft. McPherson in July, and one or two via Barrow, Alaska. Capt. Pedersen's schooner sailed for Barrow in afternoon with fair East wind, taking out a few letters for me, to be mailed at Unalaska. There was no time to box up specimens in proper shape for shipment to New York — some specimens brought in from Flaxman by "Rover" and some by Stefánsson, and some in my boats. Constable Carter says that several Whales have been seen close to Herschell Island this summer, and one young Whale in the harbor. Several native whaleboats are in the harbor now and several at Flanders Point. Calm most of the day; Cloudy; N.E. wind after 5:00 p.m. Capt. Cottle is said to have traded one whaleboat with some incidentals, for one Blue Fox and three Silver Gray Foxes.

Travel

August 23 (Monday) M.T. 32°. Cloudy all day. Spent day packing specimens, revolving Sheds and Caribou skins, and shall store them in warehouse near R.C.W.M.P. quarters. Shall probably be able to ship them out with the "Karluk" or some other whaler next summer. Seven Mt Sheep (Ovis dalli), fifteen Caribou, and several boxes of Smalled skins and eggs, a few plants, insects, and geological specimens. Wind shifted to S.W in afternoon and all the Kunataini whale-boats sailed for Flaxman Point, on their way to Mackenzie River delta. As it was rather late, Nigatshuk did not wish to sail, as he said he could not reach a good harbor for his sloop before dark. The only natives left at Herschell Island (outside of my party), are the resident "Kogmollits", all living in houses. Pitalo has decided to go with us, taking Panniyatluk's whaleboat. He has his old father Kunasilek with him. The terms on which he wished to go were not in employ of Stefansson, and to have his own catch of fur, but to hunt meat with and for our party.

August 23 (Monday).
Ningatéshuk is also going east with us in his sloop. He has been doubtful about going for the past two days; said he did not have enough tobacco to winter on, and I reiterated the assurance which Stefánsson had given him previously, that we would supply him with tobacco after his was exhausted, so long as we had any ourselves. Our supply seems to be ample.

August 24 (Tuesday) M. T. +31. +33 at 8ᵃᵐ p.m.
Strong N.W. wind all day — too strong for sailing. Snow flying most of day and all night, making ground white. Wrote a fuller report to American Museum, to go out with Dawson Patrol in January. Packed all my "Field Notes" and negatives taken during the year, with a few other papers, ayes left in care of R.N.W.M.P. A few Snow Buntings seen around shores of harbor. Hula-hula dance most of night.

August 25 (Wednesday) M. T. +31° + 37° at 12ᵐ.
Wind moderated about 2ᵃᵐ a.m., and we broke camp and sailed at 3:35ᵃᵐ. Snow falling

Left dog "Whiskey" in care of John Grubin until spring. Ilavanirk also left "Sport" with a friend.

August 25 (Wednesday). continuously until afternoon. Kingaksbuk took two additional passengers in his sloop Kalirrak bound for Peel River, and Akkok Kauk on "Beluga" bound for Clay Point, respectively.

Pikalo took a Kogmollik man named Pamitjok and his 14 year old son, Oin-yok (alias "Hoodlum") bound for Baillie Island. While Ilavanirk had his adopted boy Pa-lai-yak.

Brisk sailing wind all night. Wind calmed for a short time at Stokes Point at 9.30 a.m. and we boiled tea. A large flock of Snow Geese alighted on sandspit, but we could not get near enough to shoot. Saw two other flocks going west and several large flocks of Black Brants. Kingaksbuk dogs ran away, delaying us until 11.30 a.m. Gale rose steadily, and we put into lagoon at mouth of little creek called * Kanitli a'ruk, a good harbor. A little East of this Kiaklik (a high cut bank, terminating in a point, west of Kay Point. Kiaklik said to be good fishing place for Jack-fish in Spring time. King Point in sight 8-10 miles to East. All the Nunatamis from Herschell Island are camped here now — some on sandspit and some across the lagoon. Kaigak's

(* Kangik gloak yok — Eskimo boys spelling)

August 25 (Wednesday)

Caribou

boy Sam Kelignat killed two Caribou near here Monday. Eight Caribou were seen. Large flocks of Black Brants were seen flying Westward at intervals, also a few Ducks. Boy caught a Red Phalarope alive, also shot two young Red-throated Loons (full-grown).

August 26 (Thursday). M.T. +30° + 38° at 11:00 a.m. Strong S.W. wind. Sunshiny. Two nets full of White-fish and Conner this morning (over 100). Had two boiled Loons for breakfast — very good, tender, and no fishy taste. Although birds were full grown, the sternum was entirely cartilaginous, and the coracoids nearly so. Slavinirk's boy killed a Lesser(?) Snow Goose from a flock going over in morning. Flocks of Snow Geese were going west all day. Towards evening a flock passing Eastward over lagoon, was decoyed by boys imitating call, and passed over, about 75 yds. up, and I dropped one.

*329. Chen hyperborea hyperborea ♀. L. 29. W. 15¼ T. 6½. B. 2.19. Ts. 3.375. Weight 6 lbs.; not at all fat. Bill and feet pink; cameleon of bill black; iris brown.

Cold, frosty and clear at 11:00 p.m. Slavinirk's bitch "Lucy" had 7-8 pups today — three were kept.

August 27 (Friday). M.T. +28° + 30° at 5:00 a.m. Bright, clear; ground covered with hoar frost; wet sand frozen, and young edges around edges of lagoon. Light S.W. wind. The whole fleet, fifteen whaleboats and one sloop, sailed westward at 6:00 a.m. Akkak Kavik [illegible] and boy, who sailed with us, remained to hunt Caribou, intending to go to Herschell Island later. Few fish in nets this morning. Wind from S.W. all day, variable in strength, but fresh most of the time. Passed Kay Point (Ti ki ak') about 9:00 a.m. The boats ahead of us reported seeing two Bowhead Whales (Balaena sp.), near King Point. One was seen to "blow" two or three times near the boats. Passed King Point (Ki nak') about 3:00 p.m. Captain Roald Amundsen with "Gjöa" wintered here 1905-06. The wreck of whaler "Bonanza" still visible on beach. The mud cliff has broken away very much since that time, and Constable Sam Carter told me that this summer the R.N.W.M.P. had exhumed Gustav Juel Wiik and moved the remains back some 200 yds., the grave being in imminent danger of caving into the sea. Bishop Stringer

August 27 (Friday)

and Rev. Whittaker missionaries were passing in whaleboat, on their way to ~~Baillie Island~~ Mackenzie River, and the Bishop held services over the graves. A few small flocks of Snow Geese seen flying east or southeast. Passed Rooy's house at Shingle Point ( ) marked by a large upright pole, about 6 p.m. and caught up with the other boats at 8.30 p.m. They had camped at East end of a long sandspit, about a mile east of Mr. Stein's house at mouth of little creek called Ak-pa-yau'-tjak. Escape Reef The little inlet close to Stein's house, which we used as a harbor last summer, is nearly filled up, and boats can not enter now. Two islands a few miles off shore, two or three miles north west of here. Water muddy from about Shingle Point East. 14½ hours steady sailing today carried us a goodly distance

August 28 (Saturday) M.T. +35° +45° 12 M.

Wind N.E. at 6.00 A.M. Very variable, shifting all morning
Due S. at 8.30 a.m. NE from 9.00 a.m. to 12 M.

A medium-sized Hawk (F. p. anatum?) flew leisurely over our camp, and alighted for a moment on top of whaleboat mast on other side of lagoon.

August 28 (Saturday)

Whaleboat drifted too near shore last night, and our dogs, and others climbed in, and stole all the fish on hand — about ½ cask. An old stranded Whale carcass on beach near camp; dogs manage to gnaw off a little of the tough weathered skin; oil nearly all dried out. Several flocks of Snow Geese flying over camp during forenoon. Wind changed to SW. after 3 or 4 p.m. and soon increased to a gale, blowing all evening. Foggy in evening.

For supper we had a dish pan full of a salmon-flesh-colored berry, resembling a large raspberry, growing on mainland; called ak'pik. Rather flat-tasting, slightly insipid. Prepared for table by mixing berries with Seal oil (i.e. rancid) Ikaomiut says if eaten alone, they cause cramps in the stomach.

August 29 (Sunday). M.T. + 36 +55° at 3" p.m.

Strong NW wind all forenoon. Cloudy. Light rain at intervals all day. Wind increased all day. In afternoon, we had to move sloop and several whaleboats around to eastern point of sandspit — a task accomplished with some difficulty in heavy surf.

August 29 (Sunday).
Flock of Black-bellied (or Am. golden?) Plovers, about a dozen, flew East in forenoon. Ningatshuk caught 23 fish in our net in evening, and Ikar. caught a net full – mostly Whitefish, but a few Cossies (and 8–10 lb).

August 30 (Monday). M.T. + 33° + 34° at 2h pm.
Strong gale still blowing from N.W., heavy surf. Ground white with snow; wet; occasional sprinkles of rain. Mr. Stein's schooner sloop appeared Eastward about 4h pm and dropped anchor outside. Went on board and met Inspector Jennings, R.N.W.M.P. They had started for Baillie Island early in August and meeting head winds had been obliged to turn back at Kittigazuit. Sergt. Selig and Constable Kinney had returned to Ft. McPherson. Remained on board schooner and sailed over to Shingle Point anchoring behind sandspit near Roxy's house. After supper walked back home along beach. About dusk 11 pm, got tangled up in a maze of little deep channels at Kittigazuit, got within 200 yds of camp, but was blocked at all points, and being unable to see very far in semi-darkness with snow flying, went back to a camp of three tents of Vaudens

August 30 (Monday). One Black Brant killed today. Estimice, reaching it about 10[00] a.m. Stayed under morning in tent of Kaptaana[(?)] and wife, and had tea and fish. People here catching and drying (sun-dried and smoked) fish. Large flocks of Snow Geese flying W. in afternoon.

August 31 (Tuesday). M.T. +33° +36° at 9[00] a.m. Cloudy. Very little wind (NE) in morning. Shifted to S.W. about 10[00] a.m. Reached camp by wading waist-deep across wide channel near end of sand-spit. Two or three flocks of Snow Geese seen flying W. A Raven (the first seen since last winter) was picking up refuse near camp, and the dogs were chasing him from one spot to another. I approached within fifty yards, unusually close. A good many fish in nets today. S.W. gale all afternoon and all night.

September 1 (Wednesday). M.T. +35° +36° at 9[00] a.m. Gale died down to a light S.W. wind early in the morning and we began to prepare to sail. Wind soon shifted to NE. and then East by north — soon blowing a gale. The people here all very much afraid to try to enter the Mackenzie River delta, unless the wind is light and fairly S.W.

September 1 (Wednesday).

They shrug their heads ominously when they speak of the shoals at entrance of river, and the terrible seas which arise when a contrary wind meets the river current over the bars. One Ku-ing-yuk is going to Ft. McPherson this fall, to winter at Peel River. Harvint is sending five Fox skins by him to Firth for Muskrat skins at current prices (5 Rat = 1 "skin"; 5 "skins" = 1 Fox-skin; 1 Fox-skin = 25 Rat skins). I am sending a letter to Mr. Firth concerning these skins, and also our own supplies from N.Y., billed to Peel River. An Eskimo known as "the Policeman" will bring the goods to Kittaryuit if he finds them at Peel River this fall, and if they are still lying at Peel River next summer, Mr Stein has promised to bring them to Herschell Island in his schooner. If Mr. Stein is not there to take them when Steam "Mackenzie River" comes down, Ku-ing-yuk will take them. Strong wind all night; with some snow flying. One flock of Snow Geese seen going east.

September 2 (Thursday) M.T. +34° +36°.8 9ᵒˢ a.m. Wind died down about 6ᵒˢ a.m. Tide very low and most of boats hard aground. Wind blew up from S.W.

September 2 (Thursday)
about 9ºº a.m. and we had a fine, light wind all day. Boats could not be moved, however. Sunshine in afternoon, warm and pleasant. Large flocks of Black Brant, a few flocks of Snow Geese, and four Swans passed Eastward during forenoon. Quite calm in evening. The women picked a large mess of little round, black berries (full of seeds) on the mainland. About twenty fish in one net this evening

September 3 (Friday) M.T. +35º +36º at 8ºº a.m. Light N.E. wind; cloudy. Large numbers of Lapland Longspurs and a few Redpolls feeding in sparse wiry grass on sandspit; also a flock of about a dozen Pectoral Sandpipers and a large flock of Semipalmated Sandpipers feeding on mudflat. Shot one Pectoral Sandpiper, one juvenile Hoary Redpoll (no red on head), and three Longspurs. The Redpolls and Longspurs were very wild and restless.

Stein's schooner anchored at the west End of sandspit in the evening. Strong S.E. gale about midnight and we had to move all boats around point of sandspit again. "Okpik" et al. arrived from Eastward, bringing fresh Caribou meat; two killed Wednesday. Says one man killed six and two men twelve Caribou, east of Lac a little ways, near the mountains

September 4 (Saturday) M.T. +33° +34° at 4.00 am
Good wind in morning, but tide had fallen and most of boats were aground. Bright sunshine from 8.00 a.m. to 5.00 p.m. A few flocks of Black Brants and Snow Geese flying over. Tide rose all morning and ten boats sailed east about 1.30 p.m. Schooner was sailed by Kunuk and Novigaun, Stein having gone to Herschel Island in whaleboat. Sailed across entrance to western mouth of Mackenzie and passed just north of Tent Island (Ăv'a lĭk). Nuligakshuk says that long ago many whitefish (Beluga) were killed here; six this summer; says Eskimos at Kittegaryuit killed two this summer. Cruised along north shore of Tent Island for 3–4 miles and ran into little bay, with narrow, deep channel of river at head; made camp about 7.30 p.m., having sailed perhaps 25 miles. Kunuk and Koobăgoan are taking Steins schooner to south end of Richard Island, and want to travel with us. Dogs killed Muskrat this morning. Kallikrok stayed behind here.

White whale

September 5 (Sunday) M.T. +34° +34° at 11 am
Light snow on ground at 6.30 a.m. which soon melted, as sun came out brightly. Very light S.W. wind. A large flock of Cranes flew over early in the morning. Flock

September 5 (Sunday).
A Snow Geese flew low over camp at 10:00 a.m. Wind changed to N.E early in morning, and remained in that quarter all day. Shot at mustrat swimming in narrow river channel, but failed to hit. Boy found one of the Leffingwell "Nansen sleds" a little way from camp. Warm sunshine nearly all day. Caught a large water Beetle (Tit-kring-ok).

September 6 (Monday) M.T. +33° +34° at 8:00 a.m. Fairly strong East wind; a few snow-flakes flying. A pair of Little Brown Cranes were walking about on level ground about 400 yds away, croaking hoarsely. Nuguksbut stalked them within 200 yds. but failed to hit. They flew about half a mile across the river. Sunshine about 10:00 a.m. Saw fish in channel at this place. Boys went out with Kayaks and shot three Snow Geese, one Pintail (D. acuta) and five willow Ptarmigan. The latter are beginning to moult — a few white feathers appearing on back, and pin feathers all over body.
Three four-eyed Jack fish (Shi-ū'-ik) and two large grey fish with coarse diamond-shaped scales Pi-kok-to-ok in net in evening. A few Snow Geese flew over camp during the day. Boy went across river in the evening and killed eleven willow Ptarmigan, all males. Some willows on island are 6. or 7 ft. high.

September 7 (Tuesday). M.T. +30.° +31° at 8:00 a.m.
Heavy frost on ground in morning; surface of ground
frozen. Bright sunshine all forenoon, but thin ice
on marshes until noon. Great flocks of Snow Geese
seen on land across river and on mud flats.
— and I crossed river to hunt, but could
not get near Geese. Saw three Ravens on mud flats
and flying along shore; they were not wild and
I approached within 100 yds. Saw three or four
Rusty Blackbirds in thicket of willows and Alders;
very wild. A few Tree Sparrows, Redpolls and
Lapland Longspurs seen; also one Gull. Coming
through the willow thickets we flushed four or five
Willow Ptarmigan, and boy killed two males. Thickets
are very dense, almost impenetrable, and half of
ground ankle-deep under water. Skinned 2 Ptarmigan.

333. ♂ L. lagopus. 334. ♂ L. lagopus.

A Goose killed near camp while we were gone,
but neck torn to pieces by rifle bullet; resembles
Blue Goose (Chen caerulescens), but has rump and tail
coverts white, and belly with only traces of dusky.
Bill black, feet dark slaty blue. Tail feathers dusky
bluish mesially, with whitish edgings. L. 27. W. 13. T. 5.12.
B. 2.18. Ts. 3.06. Tcl. 3.94.

September 7 (Tuesday). Boy shot a Black-throated Loon and a Pintail Duck in afternoon. The Loon was in apparently full spring plumage.

*335. ♂ Gavia pacifica. "Mat'-te-rē" (Alaskan name). Kak'sauk Kak'h'ōt'ik. (Mack. R. Esk.).

Three Whistling Swans (Olor columbianus) were seen swimming in river channel about sundown. Kingaktuk wounded one with rifle and it was pursued and killed by boys in Kayaks. It* was adult, with pure White plumage; bright yellow spot near base of bill. The other two Swans flew for some distance but returned and circled over the wounded one in the water. Bright sunshine all day; clear night. Malka ("Kow-ik-potator" - Ammodon (Polygonum bistorta)) very abundant on Islands - seen; several meals per day.

September 8 (Wednesday). M.T. + 30°. + 33° at 8:30 a.m. + 40° at 12:00 M. Clear, sunshiny morning. Several very large flocks of Snow Geese flew Eastward over camp about 6:00 a.m. and everybody who could grab a gun flayed away, but without effect. They usually keep up a continuous squawking in flight at least when in sight of man, - note resembling the Eskimo name of the bird "Kang-ōk". Old man Panigut caught about a dozen fish this morning, mostly Jackfish. The Jackfish (Shiū'lik) are not considered so good as most other fish here, as they are bony and have no fat. The flesh is about as good as ordinary Pickerel in the U.S.

September 8 (Wednesday). Talerhak shot two young Gulls and four Snow Geese; Ningakshuk two Snow Geese and two Willow Ptarmigan. Stinner one Gull.

*336. ♀ Larus hyperboreus. Gmel. Measured four Snow Geese.

Length.	Wing.	Tail.	Bill	Tarsus	Mid. Toe (Tcc).
27¼	15½	5½	2⅛	3	2 15/16.
30	16¾	6⅝	2¼	3¼	3 3/16.
31¼	16⅛	6⅛	2⅜	3¼	3¼.
32½	16¾	5 3/4	2 5/16	3¼	3⅛.

Another Snow Goose killed in evening; all adults shot today; fully feathered. Stewed Swan for lunch — very good eating, scarcely different from Goose.

September 9 (Thursday). M.T. + 31° + 32° at 8 a.m. Strong East wind, becoming stronger all morning. Bright sunshine. Hunted two or three miles to Eastward among dense willows and alders along low ridges near creek. Flushed three Willow Ptarmigan, but killed none. A few small flocks of Snow Geese flying, and one flock of Black Brants; strong wind seems to keep them from flying much today. A pair of Little Brown Cranes were occasionally seen flying about from one marsh to another, but very too wary to approach. A flock of 12-15 Rusty Blackbirds were seen several times in the willows, and

September 9 (Thursday).

I shot two; also one Lapland Longspur. A few Tree Sparrows and Redpolls also seen. While stalking the Cranes, a Marsh Hawk (young, red phase) hovered over me for sometime, often within twenty feet of my head, turning its head from side to side to survey me thoroughly. Later, Nugakshuk fired a shot on other side of the marsh, flushing one or two Ptarmigan. The Hawk, which was hovering low over the grass on the other side, at least ½ mile away, darted over to it, (probably saw Ptarmigan fly), and hovered above it for some time. Saw two large Sandpipers (Macrorhamphus griseus scolopaceus?) and a small flock of Pectoral Sandpipers; one Raven, and two Gulls. Skinned *337. ♂ Scelephorus Euphagus carolinus. *338. ♂ do. *339. ♀ C. lapponicus, lapponicus. Nannigabluk brought in one Jer. Snow Goose (blush plumage) and ten Willow Ptarmigan. Palegak killed six Snow Geese, and two Ptarmigan. Eskimo name for Rusty Blackbird = Tū-lū-ō-rŏk, or "little Raven". Raven is Tū-lū-ák. Skinned Jer. Snow Goose *340. ♀ Chen hyperboreus hyperboreus jer. (blue plumage).

September 10 (Friday). M.T. +32.° +33° at 6:00 a.m. Almost no wind in early morning. Wind E.S.E. after 7:00 a.m., but light. Sailed East at 8:30 a.m.

September 10 (Friday).
Cruised along N. shore of large island all day, tacking frequently. Stopped from 2.30 to 4.00 p.m., wind having nearly died down. Place called I-gā'-oit a little bay used as a half-way stopping and cooking-place between Tent Island and ——. Sailed again from 4.00 to 8.00 p.m. No wind the last hour and we had to laboriously row and tow sloop into a rather large river channel (about 100 yds wide, and perhaps 10 ft. deep in middle). A flock of eight Pintail Ducks (Kū-rū'-ā) flew over camp in morning, and Ilavinik and boy killed one Pintail, one Snow Goose and one Mustard while we were working into Camp. The whaleboats outsail the sloop whenever there is any tacking to windward. Took snap-shot of schooner (Stein's) as we passed her under sail.
B.S. Stein sloop. 11 — 1/100 — B.S. 4.00 p.m.

September 11 (Saturday). M.T. + 34. + 42° at 7.30 a.m.
Cloudy, with light fog. S.W. wind. Ningatshuk killed two young Gulls which flew over in the morning. A ♂ Willow Ptarmigan flew over camp just as we were embarking, and alighted on mud bank on other side of river. Pikalo fired a rifle shot which made the feathers fly, but the Ptarmigan flew away.

September 11 (Saturday).

Sailed at 7:15 a.m. Fog became denser and breeze stronger. Grounded on shoal mud bottom about 8:30 a.m. and had some difficulty poling off. Cruised about looking for channel — apparently no E. and W. channel about ¾ mile wide, with mud-island outside. Fog lifted about 10 a.m. and we had occasional glimpses of the sun for an hour or two, through clouds. Warm all day. Wind shifted to N.E. about 3:00 p.m. Landed at 4:00 p.m. in a little bay at a sharp bend in the river (said to be a good fishing-place). On south side of river here are a few small Spruces (3–6 ft. high), the first once I have seen this summer. From this point a long chain of hills became visible (said to be on mainland east of Mackenzie River. In the afternoon a Northern Shrike (Lanius borealis) alighted on our boat, clinging to the wire cable main-stay, soon flew to tip of yard, then across to cross-stay of schooner which was sailing alongside of us. The bird flew to land about ¼ mile away, before I could get gun ready. This was the first Shrike I have seen on the North coast. A flock of 9/5 Hutchins' Geese (?), and 4–5 Snow Geese flew over during day, also a few Ducks (Pintails?) Heard Semi-palmated Ring Plover, and saw some small Sandpipers or more than

September 11 (Saturday)
Light sprinkling rain from 4:00 to 7:00 p.m. While making camp, numbers of small black flies & gnats buzzed about, flying into our faces. I preserved a few in alcohol. No mosquitoes have been seen for some time (Nugatchuk says they were very bad here in the summer). An abundance of Mashū roots dug here. Wind shifted to N.W. about 6:00 p.m.

September 12 (Sunday) M.T. +40. +40° at 9:00 a.m. Dark, cloudy morning. Wind N.W., fairly strong. About half a dozen Jackfish and small Cornies caught last night. Boiled muskrat very good eating, no musky flavor; better meat than marmot. Misty rain all day, with fog of varying density. Sailed at 9:00 a.m. Strong N.W. wind all day; sailed well (in NE-ly direction for a few miles, then river channel made a sharp bend to N.W. Spent several hours tracking back and forth trying to round a small headland on left bank. Channel about ½ mile wide, bad shoal on eastern side. Deep water about 200 yds. wide close to west bank. After many tacks we often found we had lost ground, the current carrying us back more than we gained on the portlines. Finally tracked a few hundred yards around the point, then stood off

September 12 (Sunday).

to N.E. across the big river, about a mile across; deep water (called "the Mackenzie River" or "Ku-vik" by natives. Entered a narrow, deep winding channel leading to N.E. about 6 o'clock p.m. and sailed, tacking back and forth until 9:30 p.m., at which time it was so dark we could hardly see 50 yds. Landed in deep water close to N. bank, cooked supper on shore, and slept on board sloop - seven people much crowded in little 6×8 cabin. A few flocks of Ducks and three or four Geese seen today.

September 13 (Monday). M.T. +38. +38° at 7 o'clock a.m. +40° at 3 o'clock p.m. Cloudy all day. Light fog in early morning. No wind before noon. Afternoon very light S.W. wind. Four dogs had strayed away during the night, and delayed us about an hour starting. Numbers of Redpolls and Tree Sparrows in dense willow and Alder thickets around camp. A pair of Ravens also seen and a few Gulls. Sailed at 7:40 a.m., drifting down stream with 2-3 mi. per hour current. High land, (steep hills about 100-150 ft. high from water edge, with rolling hills beyond visible this morning about 2 mi. ahead, called Tu-nun'ok (Richard Island). A few heaps of wood on top of south end of island said by Kingaksheut to

September 13 (Monday)

to old Kogmollik graves ("dead man cache").
—this channel from N.W. joins another channel—
from S.W. at point of Adluin island; Each channel 6 or 8 or
yds. wide. About 500 yds. from south end of Richard
Island is a small, round, high island with steep
banks (looks like a rounded mound from N.W.
and pyramidal from N.E.) called Tre kit ta' raut.
—Found schooner party, one two whaleboats, and
a small steamer recently purchased from H.B.Co
by Tre kit tat; also one whaleboat belonging to Kunak
and a York boat to "Cockatoo" (Kokkattat). Kunak and
Cockatoo will winter at Mr. Harrison's quarters on
Eskimo Lakes. Cockatoo formerly worked for Mr. H.
Camping place on mainland east of S. End of
Richard Island is known as New-a-ri ak' (name for trap).
Some fish are being netted here, mostly Jackfish—one
Jackfish caught today weighed 12–15 lbs. Peligat killed
seven Ptarmigan across river on Richard Island; I saw
one on this side; also a few Redpolls. Many old
graves on little ridge close to river here. Saw one complete
Skull (minus lower jaw) lying on the ground, bleached
White; also a few ribs, Etc.
Ningakichuk decided tonight that he could not
accompany us further with his sloop, fearing

September 13 (Monday).

Rough weather outside of the river. He intends to go back with Kunak and Cockatoo to the Eskimo Lakes.

Mr. P. L. Petersen with one whaleboat and Eskimo crew in another arrived here from F. McPherson (left Fort Sept. 8th). They stopped only a few minutes and proceeded down the river, bound for Kittigariuit. Petersen says the second H.B.Co. boat (scow) did not come to F. McPherson, but only to Arctic Red River. Hence our goods are probably at the latter place.

September 14 (Tuesday). M.T. +38°. +42° at 10:00 a.m. Cloudy. Light mist at 7:00 a.m. Tested some rifles at about 600 yds. Kunak has a fine .303 British rifle (with about 1000 rounds) left by Mr. Harrison; also a 6.mm. Krag-Jorgensen which he received from Capt. Amundsen (no ammunition for latter, however). Saw a Marsh Hawk and a few Redpolls and Tree Sparrows in the morning. Paid Kingatshuk for his services in travelling thus far with us. I do not feel that I owed him very much — the few goods we had on board were needed for ballast, and I helped sail the sloop. Gave him 52 plugs Black Tobacco (10 3/5 lbs); 4 1-lb. plugs "Big Nig"; 6 pkg. matches, about 20 cups Ca. 10 lb. sack rolled oats, etc

September 14 (Tuesday).

Havinirk did some "gift-trading" with his old "partner" Kunak, giving him some matches, shot, etc., and receiving a tugak, etc. Kunak gave me a pair of water-boots. Cocktatoo is going to Fort McPherson with first favorable wind, and took some letters to mail for me. He also intends going to Arctic Red River, and I gave him a letter to Mr. Forbes Campbell, H.B.Co. there, concerning our goods. If Cocktatoo finds them, he promised to take them along when he goes to Kittagaryuit early next spring.

Loaded all goods into two whaleboats (our new and Pikalo's) and sailed at 1:45 p.m., with very light N.E. wind. Course of river for about 5 mi. N.N.E. Boats pretty heavily loaded, with 9 people and 12 dogs. At a high headland on east bank (known as Kang-ik, a goose-hunting place), the river turns N.E. Six or seven miles beyond Kangik on east bank, is a conspicuous, double-peaked or "saddle-backed" mound, rising up from flat land. This is called Ag-li-shuk-tak ("the Growing mountain"). [Behind Point Encounter, Richardson: E, 23 ft.] Havinirk says an old Kognollik (still living) told him that when the latter was a boy the mountain was very small, but has been growing larger every year. On west side of the river, a little below this mound, a sand point projects out into the river, from Richard Island. This point is called

lit. "It wants to grow big"

September 14 (Tuesday).

Nā'iluk.

Nā'iluk, (said to be good fishing-place just below this point). Ilavinirk says that long ago, when there were many Caribou on Richard Island, the Caribou used to swim across the river, to a little deep creek valley between two high hills.
Creek called Sing-ig'-ōk or Sing ig'gū ak. At that time many people used to live here, and when the Caribou were swimming, would pursue them in kayaks, and kill them with spears.

Ran into this little creek about 5:30 p.m., as N.E. head wind was too strong to make much progress. Creek deep. Several large Anarītluk and Jackfish caught near creek mouth very soon after putting out nets. Palaiyat went after Ptarmigan; saw many, but very wild. I saw a few Redpolls and Tree Sparrow in willow thickets around camp. Mamayout picked a mess of the black "Paun'rat" berries.

A little Shrew often showed itself in the boat during the afternoon, but evaded capture for a long time by slipping under the false bottom. When things were moved about in the boat, he would sometimes come out. Ilavinirk says he is apt to eat holes in skins or the oilpot. Finally the beast was captured after much rummaging. Caught several greenish Mayflies (?) which were continually falling into river.

Shrew.

* 341. Shrew (preserved in alcohol). 31376.

September 15 (Wednesday). M.T. 40° +48° at 3ᵂ p.m.
Bright sunshine at 6:00 a.m. Planning and calling
in the thickets. Flock of Redpolls around camp.
Went after a flock of Willow Ptarmigan which alighted
on high bank. They had scattered when I crossed
creek and ascended hill; way wild but killed two. Little bunches
of two to ten Ptarmigan scattered everywhere over the
little hills. Several Marmots (Spermophilus parryi) seen
on highest ridge overlooking Kevik. Old graves, and boat on summit. Sailed at 10:00 am.
Landed 12:15 pm. at foot of high bluff on Richard Island
known as Ig-lō-rūtj. Niámatūña and Hkō'yak Two Eskimo tents here—
good fishing place. Wind became stronger in afternoon,
and as we would have it directly contrary, after
rounding the next point, decided to camp here. ENE.

Palaiyak and I went after Ptarmigan, killing nine
Willow Ptarmigan. They were scattered all over the hills,
feeding on little red berries (Kēs ming'nak). Redpolls rather
numerous in willow and alder thickets along sides of bluffs.
Shot one ♂ with slight pinkish tinge on breast and rump.
Saw a few small black flies today on flats, evidently
an old cut-off of river.

Saw a few old Caribou tracks in mud about 10 yds.
from river, and about 5 ft. above present level. Caribou now
rare on Richard Island; formerly common. Last

September 15 (Wednesday)

month (August, 1909), Kiñak saw a few Caribou on flat lands on western side of Richard Island, while sailing by in boat. The ground was so level that he could not stalk them successfully.

Three old graves on top of ridge here. Beside one well-preserved old grave (a heap of logs), were an old Kayak frame and a wooden chest. Beside another were a Kayak frame, part of an old umiak, and a rusty Winchester rifle. This grave had the top removed, and a skull and other bones were exposed.

Eight Swans seen swimming in river, but they flew up out of gun range as boats approached. Two Loons seen in little lake on island, also a Marsh Hawk (fem.). Marmots very numerous.

King akshuk arrived in afternoon with his sloop, entering a small channel (Ig-lo-rā'-tjak) about a mile above here on east side, and passing behind a large flat island. Emerging about half a mile below here, and sailing up. He is on his way to to buy up some seal oil for winter.

Skinned three birds in evening.

#342. ♂ Acanthis linaria Richard Island.

#343. ♂ Lagopus lagopus " "

#344 ♀ " " "

September 15 (Wednesday)
The plumage of the Ptarmigan is very much variegated now. The heads of nearly all are streaked with white; and the backs usually blotched with white spots. The crops of most of the birds are filled with seeds and little red berries.

September 16 (Thursday) M.T. + 36° + 38° at 10:00 a.m.
Cloudy; light rain began about 6:00 a.m. Very light breeze from N.W. Caught two or three small black beetles around and inside tent; also a large black winged flying insect. Tinyuk caught two more beetles later. Whalebone arrived from Kittigaryuit about midnight last night, Kublálok with Tiyak Panina's son. They reported very shoal water all the way, and boat continually running aground. Storm kept getting worse all day - after 2:00 p.m. and all evening a howling N.W. gale with rain changed to snow, - ground covered. Water rising all the time - about a foot since morning. Bought a pair of moose-skin gloves (Akillick make), second hand, from Kublálo, for 3 plugs "Navys" and 1 pkg. matches. Kublálo is said to be an inveterate trader; he is somewhat deaf, and people have to shout at him. The old man, Tiyak panina (about 45 yrs), with black beard and mustache, ___ father-in-law, is an invalid - continual Coughing and haemorrhage from lungs (Tbc.)

September 17 (Friday). M.T. +29½° +31° at 10:00 a.m.
Wind N.W. at 6:00 a.m., fairly strong. Sun shining.
Water has risen about a foot since last night.
Ground white with snow, and thin ice on little
ponds. Redpolls singing in bushes. Scenery has
changed a bit since Wednesday — then the hills were
typically autumn, patches of green on alders, willow
leaves bright yellow, large patches of bright red
ground berry-plants, brown moss, &c.; — now it looks
like winter. Flurries of snow all morning, with
brisk N.W. wind. Sky cleared after 2:00 p.m. and weather
moderated. Palaiyat and I went hunting. Flushed
five Ptarmigan near camp and killed three; boy one.
We soon separated, and I followed crest of bank
around to northward. Saw a pair of Loons in
long pond under hill, and a small flock of
American Scaup Ducks (Aythya marila nearctica).
Killed six of the latter, and wounded a seventh,
which escaped by swimming into the tall grass
on opposite side. Muskrats were very numerous;
several houses, built of heaped-up grass stems,
moss, and mud, on edge of open water; all houses
rather small, not over 18 in. above water, and
2½ — 3 ft. across. Killed twelve Muskrats in

September 17 (Friday).

a short time, but only two large adults — the others were about two-thirds grown (all males). Palaiyat came along later and killed three more Rats, one adult male, and one Marmot. Flock of Redpolls seen in bushes, and a few Tree Sparrows. One Mustela shot in big river, from Kayak, in the evening. Marmots numerous everywhere on the hills, and Nuvaishak trapped two.

346. 31371 ♂ ad. Muskrat. L. 530; T. 252; Hd. Foot 77.
347. 31372 ♂ ad. " 523 — 251 — 75.
348. 31373 ♂ juv. " 435 — 212 — 73
349. 31374 ♂ " " 421 — 194 — 72.
350. 31375 ♂ " " 418 — 195 — 70.

351. ♂ ad. Spermophilus parryi—

352. ♂(?) Aythya marila nearctica L. 17 5/8. W. 7 1/16. T. 2 5/8
~~353.~~ Spermophilus parryi — (Specimen spoiled — disfigured) xx
B(chord of culmen) 1 9/16; Ts. 1 7/16; Ts-2 3/4 Iris yellow.

Young ice forming around pools before sundown. Ground covered with snow except on high places.

September 18 (Saturday). M.T. +25.° +26° at 1:00 a.m. Clear, sunshine. No wind. Large flock of Redpolls — and a few Tree Sparrows around camp in early morning. Embarked at 8:15 a.m., no wind; drifted with current until 10:45 a.m. Landed on west bank near a ridge about 25ft.

September 18 (Saturday).

high, called A-tō-ru-mik. About ¼ mile below this place a narrow branch of the river runs westward — the stream followed in going to Kō'puk. "Kōpuk" is visible from Atiumik — a little creek said to come out from a range of low hills. Iaviumik says no people live there now, but there are many old caches, and he has found stone knives, etc., there. He says this is the real Kōpuk, properly speaking, although the whole interior of the delta is often called Kōpuk. Put out nets, caught one 5-lb Connie and three or four smaller fish. Sailed again at 2:00 p.m. Breeze freshened from NE. Met two whaleboats, Tirktiak and Tingōshingak, with their families. Stopped & drank tea with them, and ate some dried whitefish ribs, and some very much decomposed w.f. blubber and muktuk. Sailed 5:00 p.m. to 7:15 p.m., tacking continually, against strong wind, and rough waves. Water deep in broad channel, but shallow near banks. Tried to land at foot of a small line of conspicuous high bluffs, called Kiktigarʷiuk, but found that navigable water terminated abruptly about 20 yds. from shore. Proceeded further and sailed into a narrow deep channel (ca 150 yds. wide, following foot of bluffs, low, flat island on the

September 18 (Saturday)
Creek runs E. by N. here, and the settlement of Kittigaryuit Inoses is in sight. Shoal water all along near banks, but we finally got boat within 10–12 ft. of shore, near Eastern ~~Cape~~ of high ridge, about dark.

Saw a single Chickadee in willows at Atuiuruit, singing merrily. Followed him for a long ways from bush to bush, but he finally flew up into the air, and went across to the mainland eastward. Several graves on hill here, — some old ones, — are recent, Id tichiat (Brother-in-law of "Shagelo George"). Saw several Gulls, one flock of six Geese, and a few Gulls. Palaiyat killed one Pintail in a little creek. A large flock of Ptarmigan flew across the river westward just before dark. Took three pictures today.

#6. Kingaktshuk's sloop. 11 – $\frac{1}{100}$ – Bright sun. 11:00 a.m.
#7. Kingaktshuk in Kayak setting fishnet. 11 – $\frac{1}{100}$ – B.S. 11:30 a.m.
#8. Self. (Exposed by Iluvuniit). 16 – $\frac{1}{50}$ – B.S. 1:00 p.m.
#9. Lunch – on shore. Richard Jr. 11 – $\frac{1}{100}$ B.S. 1:15 p.m.

September 19 (Sunday). M.T. +31° +32° at 11:00 a.m.
Cloudy at 5:00 a.m. Stiff East wind. Water had risen nearly a foot since last night. Snow began to fall about 7:00 a.m., and very soon there was a howling snow-storm, and ground thickly covered.

September 19 (Sunday).
East wind and snow all day. Pitalo shot six Scaup Ducks, one Old-squaw (♀ ad.) and a ♀ White-winged Scoter. Paninik shot three Pintails and five Mustaks, and Nigatshak killed a few Ducks. The White-winged Scoter seemed to be unfamiliar to most of the people; Paninik finally decided its name was Tū-nā-rā'-rōK. Spent most of day skinning Marmot, Rats, and Ducks. The Marmot was excessively fat, a layer of thick white fat from head to tail. Scaup Ducks very thin; Scoter fat. Old Mustaks fat, young ones thin. * 353. ♀ Oidemia deglandi.

September 20 (Monday). M.T. +29. +30° at 8:00 a.m. Cloudy. Strong wind N.E. or NNE. Heard Ravens croaking on hill this morning. +28° at 6:00 p.m. Tide had fallen during night and we had to unload boat before we could shove her off. Sailed about 10:30 a.m. against stiff NE-wind. Ran into the harbor of Kittigazuit about 1:30 p.m. Many old houses all along side hills for half a mile on each side of channel opening. Found three Inuits here, Petersen's, Ovayuak's and Jimmy's. A young woman named Paniniyuk, wife of Panniqeblok, who has been sailing Klein's sloop (now at Kenariat), suddenly died at 1:00 a.m. this, after a long siege of lung trouble (tbc.)
(This woman described in U.S.'s "Great marriage" story — Harper's Mag.)

September 20 (Monday).

* Soil sandy loam, unfrozen as far as we dug down. Petersen says the ground thaws to a depth of about 8 ft. on hills near river.

Petersen's stepson had taken boat down the coast a few miles and brought up the woman's brother and three other men. A rough box of old lumber and driftwood was made and covered with a piece of old sail. a grave about three feet deep* dug on top of the hill, and the woman buried about 3 p.m. Mangilaŋna (Nunatami) read a prayer and three songs were sung. The Eastern Mackenzie Eskimos did not seem very familiar with the latter part of the ceremony. Nobody seemed to feel very badly — all took turns digging the grave, laughing and joking meanwhile, and came away talking cheerfully. The top of this hill is strewn with ruins of old above-ground graves (heaps of logs, sleds, umiak and kayak frames). All the hills in the neighborhood, on both sides of the river are similarly covered with graves. About twenty-five old house ruins on lower beach; one large house (ruined), called Kajigi, said to have been used as a common eating place, and for a dance house, but not for sleeping. Petersen says that when he first came here in 1891 there was a dense population all over this portion of the delta. People here have just up plenty of whitefish (Beluga) meat (both dried and "buried") and blubber and muktuk, as well as plenty of dry fish for the winter.

September 20 (Monday)

Petersen says he has caught enough fish every night in one net to feed his own family and Hein, with their dogs. Bad place for nets here, bottom rocky and current strong.

Tiritsina, the man who murdered Ilavinirk's father-in-law a few years ago, is here now. — a good-natured looking fellow with an habitual smile. Spend most of the afternoon in Ovayuak's tent, with the whole male population, in a long-drawn out "course" dinner — dry fish and meat; tea and bread; boiled fish, tea again; boiled ducks and more tea. Ovayuak's two wives, Anaratjuk and Ilavirk, with the other women, were kept busy cooking out doors, and eating in our tent. The senior wife, Anaratjuk, is a dignified woman, with a rather pleasant expression; takes life rather easily, while Mrs. O. No. 2, Ilavirk, does most of the hard work.

Ilavinirk remarked about the dead woman: "Too bad, because Panniqalok [her husband] him boot man", i.e. had for him to "catch" another woman

September 21 (Tuesday) M.T. +28° + 33° at 12 M.

Dead calm in morning. Very light snow falling. Breakfast outdoors. Two Tuilaks came drifting down river with the current and Palaiyat killed one with rifle

September 21 (Tuesday).

Two Gulls also flew over. Slavinuk traded 1 pkg. matches for 1½ prs. "White-fish" bootsoles, ½ lb. plug Big Ivy for 1 pr.; 3 plugs "Navys" for 1 pr. Ovayuak gave him a bolverine skin. Ovayuak is another of Slavinuk's "partners" — till death do us part. Gave Ovayuak ½ (½ lb.) cans powder, 5 lb. shot, 250 primers, 6 pkg. cigarette tobacco, 2 pkg. matches, B. Tobacco, etc. O. gave me ca. 10 lbs. dry fish.

The people here are enjoying a short holiday season — talking, trading and eating. Most of them have put up enough fish, dried meat and blubber for the winter; all have tea and tobacco, and everybody is happy.

Peterson put out two new nets in afternoon, and within two hours caught ten good-sized fish in one net — one Connie weighing over 20 lbs. Saw a large flock of Snow Buntings. Took picture of village #10. 11-½50-D.S. 2:00 p.m.

September 22 (Wednesday). M.T. +28° +30° at 8:00 a.m.

Clear at 6:00 a.m. Wind S.W. Saw small flock of Redpolls in bushes back of camp. 21 fish in net — Connies (Sliver), Pikuktoak, and 1 Anarkhluk. Sailed 9:30 a.m., with fair wind. Landed about 12 m. at Kangianiok (NIK). Two tents here. Mungilalik and older man Kunuktuayuk. The former a young man with light brown eyes and

September 22. (Wednesday)
reddish mustache, is brother of the recently deceased woman Pannigut. One young woman here has light gray eyes, and her two children also — the youngest child's eyes have a tinge of bluish. Petersen says he has known the man since the first ships came here, and is positive he has no "white" blood ~~Fathers of both are H.B.Co. white men~~ ^ The people gave us some dried fish and we gave them a little tobacco and 1 pkg. matches. "Jimmy" sailed from here early in the morning. We started again at 2:40 p.m. with wind constantly increasing. About 4:00 p.m. we made out sight of land for some time in a blinding snowstorm. Soon it cleared again and wind shifted to N.W. Passed two conspicuous hummocks on flat land one (double-pointed ⩚) near coast, and the other further back (four-pointed ⩚), known as Iv-rūk... Reached Tūktoiaktōk, about 12-15 mi. S. of Toker Point, and anchored in a fair, deep harbor about 6:00 p.m. Two tents here, two people an old man Ōyūng iníya with daughter Mannamayuk about 12-13 yr. and married daughter Airiyūna with baby, and son-in-law Kalitōtak! Another tent belonged to Taulanā with his wife Attawank, a little orphan girl and one old woman. Kangiaxna (Taulana's mother)

or TUKTUYAKTŌK (Rogm)

Camp at Tuktu-rok-tok

September 23 (Thursday) M.T. +26. +27° at 8 a.m. +23° at 5:30 p.m.

Strong N.W. wind; heavy sea. Cloudy, with occasional gleams of sunshine. We arrived too late last night to set nets, but people here gave us a string of about fifteen fish last night, and the same this morning. Set three nets this morning in deep water close to shore, near entrance to harbor; deep water in a narrow bay for a long way inside. Ilavinik says Capt. McKenna took the "Charles Hansen" a two-masted schooner, inside this harbor and wintered. Stefánsson's house near here, also Ovayuak's winter house and cache. Ovayuak is going into the delta to place his whaleboat in winter quarters, and will return here later by sled. He said that if either Mr. Stefánsson or myself cared post here this winter to take what fish we needed for dog food, as he had plenty. Ovayuak, Petersen, et al, strongly advised us to put our whaleboats into winter quarters here, where plenty of fish can be caught until we can proceed eastward by sled. They consider it impossible to reach Baillie Island this late in the season; and there is the last good harbor. East of Warren Point there are shoals for miles off shore, and we are apt to get caught by young ice any day, far off shore.

September 23 (Thursday)
A small flock of Snow Buntings and a few Gull seen in the morning. Went hunting for three or four miles southward near coast. Ice almost strong enough to bear up a man on small ponds. Many old houses, and old graves on every hill. Saw one flock of about twenty Willow Ptarmigan; rather wild, but killed three. Saw two or three flocks of Snow Buntings. Palaiyak killed one Rock Ptarmigan and one Black Brant. Earlier in the day. A few Gull seen. "Jimmy," with Kumaina and Sipaiyak alias "Sweeny" came across from their camp at Tapkok and stayed several hours. Colder every hour; occasional flakes of snow in the air.

September 24 (Friday) M.T. +20°. +21° at 8:00 a.m. Cloudy. Wind NW. About thirty fish in nets this morning. Started at 10:00 a.m. to sail across bay to Jimmy's camp near Toker Point, with lightened boat, but center-board was frozen in, so that we could not lower it, and we could make little headway by tacking against a strong headwind. Boat kept drifting to leeward, and after advancing about half a mile, had to turn back. Wind much stronger in evening, and snow falling.

September 24 (Friday).

Moved camp to higher ground. Wall tent is too large, - and thin, to keep warm; so we put up a round Eskimo tent, using part of deerskin tent, old drilling tent, throwing the two wall tents (our own and Pitalo's) over the top of all, and placing floats of turf all around bottom outside. Slavinski's dog Shukobruna pulled out a fish net today and stole fish, also tearing net. The nets are set off shore, the farther end anchored with a stone (about 5 lbs), and the near end fastened by a rope to post on shore. The dog pulls out net by grasping rope's end in his teeth, pulling it in a little way, then taking a fresh hold, and pulling it in further. We set the nets by taking a long, slender pole, 10 to 20 fathoms long, made of spliced drift timber. The end is inserted in a loop at outer end of net, the net shoved out as far as desired, and the pole released by a quick, sharp jerk. At intervals the net is pulled in and the fish removed - a slow, "cold-finger job," as the fish get all tangled in the net by gills and fins. The small "Bull-heads" or Sculpins cause much annoyance. There are usually half a dozen in the net at each haul, and their spines are very hard to disentangle, and cause painful wounds. Polaiyuk found a small slate stone ulu (woman's knife) while breaking off turf banking from an old house today.

September 25 (Saturday). M.T. +20° +21° at 8 a.m. Howling gale from N.W. Snow flying and drifting deep. Wind driven sleety snowflakes so hard that they sting badly when facing wind. About forty fish (mostly small Coregonus, and a few Arctic Char) in two nets (one not half washed up on shore); another net lost by rope breaking. Fished for it with grab-hook for about an hour, caught it several times, but it was buried too deeply in sand and gravel to pull it up. Pitsalo Coil another old net in the afternoon. Thirty five fish in two nets this evening. Shatcobrina had pulled one net half out again and eaten fish; Chained him up later. Our neighbors caught about 50 fish in the morning and about the same number in the evening in two nets. Strong wind and drifting snow all day; wind moderated a little towards evening. Slush ice floating near shore all along bay in afternoon.

Kalikotak spent one winter (1905-6) in Prince Albert Land with Capt. Chr. Klingenberg, and winter of 1907-08, with Capt. Tom. Mogg in "Olga". He spent hours telling stories about the queer customs of the "Kogmolliks" in Prince Albert Land, and often had his hearers convulsed with laughter. Kalikotak told me that he saw

September 25 (Saturday).

No Caribou or Musk-oxen on Prince Albert Land, but saw many Musk-ox skulls lying on the ground. He said the Kogmollicks told him there were plenty of Muskoxen, Caribou, Polar Bears and White Foxes on Banks Land.

Dogs broke into cache last night, and chewed a wooden box to pieces to get at some fresh skin inside (all the skins taken on Richard Island - Nos 346 to 353) - five Muskrats, one Marmot, one Scaup Duck and one White-winged Scoter.

September 26 (Sunday). M.T. +28° + 30° at 8 a.m. Cloudy. Light N.W. wind. Young ice half way across lagoon; loose, floating in thin cakes. Fair catch of fish in nets. A Seal had partially eaten a few fish; one Seal seen in lagoon. Three or four Gulls hovering about nets, occasionally alighting on beach to pick up a Sculpin; one shot. Cleaned mud & snow and ice out of boats; thickly coated with ice and icicles outside. Moved boats around into a narrow deep harbor about ¼ mi S.E. which leads into a long lagoon extending towards the two large hummocks known as Tri'ruk. Hauled boats well up on land. Left boats right side up, according to native custom. The whalers usually leave them

September 26 (Sunday)

beached boats ~~bottom~~ side up, but Ilavinik says that if some one does not look after the boats when sun comes out hot in the spring, the bottoms are apt to crack. Three boats passed us here today and landed with Esquimaux for a few minutes, "Jimmy" and "Sweeney" in 1 boat; "Jawbone" ~~Deriksina~~ and family; and Kumaúna and family.

Boats cached near houses where Ningakiluk and Skin lived last winter; the latter's house has fallen down. Flock of Ptarmigan seen. Sky partially clear at 9 p.m.

. . . . .

September 27 (Monday). M.T. +24° +26° at 8 a.m.

Cloudy in morning. Young ice extends clear across lagoon, and some distance off shore outside. A few fish in nets, but nets heavily clogged with ice. Went hunting in afternoon; saw six Ptarmigan, and got one ♂ Rock Ptarmigan; plumage nearly white a few brown feathers on back and head. Killed another but it fell out on thin ice of lake where I could not get it. Pikalo killed two ♂ Rock Ptarmigan, one nearly white, the other with much brown on back. Shot Snow Bunting out of a large flock feeding on weed seeds; very fat — #355 ♂. Shot a Marmot near hole on high bank of lagoon. Two or three Gulls seen. #354 ♂ Lagopus rupestris.

September 28 (Tuesday). M.T. +15°. +18° at 8^00 a.m.
Clear, bright sunshine. Wind S.E. at 5:00 a.m.
S.W. at 10:00 a.m. A ♂ Shrew was caught in one
of the houses this morning and brought to me. It was
badly mangled, however (called Ū-grū'-nak). *35-6. ♂ Shrew
Young ice solid clear across lagoon, and most of sea
as far as we can see. A few small leads of blue water
near shore. Warm during forenoon; snow melting slightly.
Young ice blown in toward shore; open water outside
(about ¼ mi. from shore). A few gulls seen. Cloudy
in late afternoon and evening.

September 29 (Wednesday). M.T. +17° +29° at 8:00 a.m.
Cloudy. Light snow falling. Brisk N.W. wind. Caught
♀ Shrew in trap set in old ruined house. *35-7 ♀ Shrew.
L. 87 mm. - 27 - 11. Wind shifted to S.W. in afternoon;
still cloudy. Partially Clear at 10^00 p.m. Saw a large flock of
Snow Buntings while visiting traps. Palaiyuk tracked a
fox to its hole and set traps.

September 30 (Thursday). M.T. +15° +18° at 8:00 a.m.
Wind N.W. Light snow during night. Sunshine,
with a few clouds in morning. Caught a large Mouse
in trap set in fish cache. Color grayish brown above, silvery

September 30. (Thursday).

gray below; tail distinctly bicolor. 31357
*359. ♂ Arvicola? sp. 148-35-20. Also a ♂ Shrew in trap set in hallway of old house; bait, old bacon rind. *358. ♂ Shrew, 31365
89-25-11. Flock of Snow Buntings seen. Wind strong after 3:00 p.m., and snow drifting. It is difficult to keep out a line of small traps, as the snow sifts in everywhere and soon covers them up. Caught another Shrew in evening, same trap which had Shrew in morning.
*360. ♀ Shrew. L. 90 mm.; T. 26. H.F. 11. 31366

October 1. (Friday). M.T. +23° +29° at 10:00 a.m.
Cloudy. Wind N.W., fairly strong. Three Gulls seen hovering over bay. Nothing in traps this morning. Dogs had disturbed some mouse traps, Marmots had sprung two or three, and several were buried in the snow; two traps lost in snow. Sleety snow in evening (about 10:00 p.m.

October 2 (Saturday). M.T. +27°. +27° at 8:00 a.m.
Surface of ground, snow, grass, etc., covered with sleet. Fine snow falling now. Wind strong, N.W. Snowing and drifting all day. Nothing in my traps.
Old man caught a large mouse in trap set in his house. He says the mice run all around the place after the people have gone to bed.
*361. ♂ Mouse (Arvicola sp.). - 135 - 32 - 19. 31308

October 3 (Sunday). M.T. +26° +30° at 8:00 a.m. Cloudy. Light N.W. wind. Snow drifted very deep in places during the night. Lost several small traps, the snow burying markers and all.

October 4 (Monday). M.T. +23°. +23° at 8:00 a.m. +20° at 1:00 p.m. Cloudy. Brisk N.E. wind. Traps all empty today. Gull hovered around tents in morning, alighting once within 10 ft. of tent, but was soon scared away by dogs. Our supply of fresh fish gave out today; have been unable to set nets since freeze-up Sept. 27th. Ice not yet strong enough for "nix eying." Developed a bunch of ten negatives today (last exposed Sept. 22d.; fairly good negatives, although "time limit" for use expired Oct. '08.

October 5 (Tuesday). M.T. +17°. +17° at 8:00 a.m. Cloudy. Light snow falling. Light N.E. wind. One large mouse in trap set in old iglu (Arvicola sp.). Snow has been drifting continuously for several days so that all holes and runways are covered up, and tracks are soon obliterated. #362.5 / Mouse. 150-35-19. 31359. Neighbors have been working all day removing fish (partly rotten) from cache (logs forming square pen, above ground); to elevated rack. Fish only partially frozen in cache.

October 6 (Wednesday). M.T. +13° +15° at 8:00 a.m. Light N.E. wind. Nothing in traps today. Jeannie went up creek a few miles toward the hills, and cut some green alders (ca. 1–1½ in. diam.), also some red willow for mending snow-shoes. Alder bark is scraped off, cut up fine, & soaked in water to stain wolverine skins dull red (on flesh side). Sun came out brightly for about five minutes in afternoon (first sight of sun since Sept. 22); immediately followed by small snow-storm. The old man caught a White Fox today; skin poor, white outer hair, but bluish underneath; said to bring full price (5 skins) at Fort McPherson, however. Wind died down in evening.

White Fox #1.

October 7 (Thursday). M.T. +15° +17° at 8:00 a.m. Wind S.W. Caught one mouse in trap set in old igloo. #362 ♂ Mouse. 125-27-19. 31360 Ik-man'-na, wife and child, came across from Toker Point by sled, bound for Eskimo Lakes. He reports that sea is open up to the beach (no shore ice for sled travel), for some distance this side of Toker Point. K. had two Foxes on sled, caught yesterday, one skin very good, perfectly white; one bluish tinged on tail, hips and shoulders. Bright sunshine for several hours during middle of day. Palanjuk caught one pound Cossie through ice, and little girl caught Sculpin.

Mouse

White Fox

October 8. (Friday). M.T. +5°. +13° at 8:00 a.m.
Hazy sunshine. Wind from S., very light all day.
Cloudy after 9:00 a.m. Old man caught one mouse
in trap set in his tent. *364 ♂ Mouse. 126-31-19. 31361.
Mouse
Put up four upright posts about 7ft. high, for frame
of cache, near boats, close to Nigatshuk's and Stein's
old houses. Niceyed for fish most of the day; six
men caught about 75 fish, all Connies ( ).
Average weight, about 4-5 lbs., four or five one-or two-
pounders; and about a dozen 7-8 lbs. Largest fish
caught by myself, weighed 10½ lbs; 2nd, by Kumanna, 9½ lbs.
a few Sculpins also caught. Kumanna, using a shiny
brass "nicey" hook, caught as many fish as all the rest
of us together (we all used ivory or white bone hooks).
Strong tide current running out all day; a space of
open water about 20 × 50 ft. in center of lagoon en-
trance, with thin clear ice around its edges; fish
all caught through holes in this clear ice, at edges
of the swift current. Kalicolat caught a fox today,
a pretty skin, face, shoulders and hips almost
White Fox
Maltese gray, and much blond gray hair on tail.

October 9 (Saturday). M.T. +14°. +15° at 8:00 a.m.
Very light S. wind. Hazy sunshine in morning.

October 9 (Saturday). One large Mouse in trap in old iglu. * 365. ♂ Mouse. 144-39-20. 31362 -

Fished until about 2:00 p.m., when fish stopped biting. About 50 Connies caught, one Loche (Titaleik); many Sculpins. Bright sunshine all day, after 9:00 a.m. Brisk S. wind in evening; clear and cold. Aurora borealis bright. Flock of eight Ptarmigan flew over fishing place, and across bay; looked pure white; two or three apparently had a few brown feather spots on back.

October 10 (Sunday). M.T. + 3° + 14° at 8:00 a.m. Wind from South. Bright sunshine all day, but cold. Only one man fishing today; he caught about 25 fish. Our people observed Sunday by playing checkers all day. Women and children played football and "pull-away" most of the afternoon on snow-covered ice. Cloudy in evening; very dark in the north.

October 11 (Monday). M.T. + 13. + 23° at 8:00 a.m. Cloudy. Very light S. wind in morning. Calm afternoon. Very few fish caught today, tide rising all morning. Palaiyuk caught at Tuktoyaktuk in trap this morning; fur rather blueish on back; white below.

October 11 (Monday). Nothing in small traps today. Palaiyuk shot a marmot at entrance to its burrow near camp; tore it all to pieces with .44 bullet. Four sleds arrived about noon from Kangianok. Two sleds went on to Toker Point. "Jimmy" and [illegible] remained here. "Jimmy" brought me a letter from John Gruben at Kittigaryuit. Reports dog "Whiskey" fat and well; Mr. Stein and he had a slow voyage from Herschell Island. Mr. Petersen now at Kangianok.

#366 Arctic ~~Fox~~ 5 L. 825; T. 285; ~~Ht.~~ 144/mm 31335

Sleety rain began to fall about 6:00 p.m., and at intervals all evening. +28° at 6:00 p.m. Wind N.W. at 11:00 p.m.

October 12 (Tuesday). M.T. +22°. +22° at 8:00 a.m. N.W. wind. Foggy in early morning. Clear at 8:00 a.m. Palaiyuk and I took sled and four dogs across to Kangianok and got our large kettle which Petersen had brought from Kittigaryuit. Trip across (ca. 7-8 mile) took 2½ hrs. and about the same time coming back. Ice solid; rough in places. Carried about 100 lbs. of goods back here for Mr. P. Mr. Stein is building a winter house at Kittigaryuit and John Gruben is working for him temporarily. Wind fairly strong from N.W. until about 1:00 p.m. Calm in afternoon and evening. Kumaania and family started for Eskimo Lakes today.

October 13 (Wednesday) M.T. +17° +22° at 8:00 a.m.
Light N.E. wind. Light fall of snow during night and snow
falling at intervals all forenoon. Finished making
sheet-iron camp-stove. Very few fish caught today.
Jenney, Dirkema, et al., three families, moved on to Toke
Point today.

October 14 (Thursday). M.T. +24° +24° at 8:00 a.m.
Heavy snowfall during the night, and snow falling
all day. No wind. Warm weather; tent dripping
water all day. Caught two mice, small reddish species,
in traps which have been set in old igloo for two weeks
without having been touched before last night.
313[illegible]9.
*367. ♂ Mouse. 106-20-17. *368. ♂ Mouse. 105-21-17. 313[illegible]0
Snowing heavily until after 10:00 p.m.

October 15 (Friday). M.T. +21° +22° at 8:00 a.m.
Wind N.W., fairly strong; snow drifting. +14° at 3:00 p.m.
Finished making 5 dog harness (Nassinta style. Sorted
over goods in cache, picking out stuff to be taken Eastward.
Mice had eaten a hole into a skin of blubber and muktuk.
Killed one Shrew in cache, but it was badly torn and
mashed; also a small Red Mouse.
3135[illegible].
*369. ♂ Mouse. 110-23-16. Three or four mice seen
in cache. Snow loose and soft; mushy under foot
on sea ice.

October 16 (Saturday). M.T. +9. +10° at 7:30 a.m. Somewhat cloudy, but clearing up. No wind. Wind N.W. in afternoon. Thick fog or snow haze. +21 at 6:00 p.m. Moved goods (four heavy sled loads) about ½ mile to rack near our boats. Square rack, with three uprights on each side; covered with tent and pieces of tarpaulin lashed down. Cached here: 1 pokē seal oil, 50 lbs. flour, about 10 lbs. beans, 60 lbs. Navy Twist, 30 lbs. plug, 15 lbs. tea, 1 tin matches, about 20 lbs. powder, 20 lbs. shot, 250 12g shells, 35 rifle, 22 rifle, 12g. shotgun (hammerless); 26 large frozen fish; besides, ~~string~~ collecting gear, chests, etc., tent, 1 stove, summer clothing etc.

October 17 (Sunday). M.T. +12°. +22° at 8:00 a.m. Wind S.W. Sky clearing in the east. +20° at 4:00 p.m. Moved camp N.E. across bay to Tăp'Kak, 1½ hours travelling over rather rough ice and soft slushy snow. Two tents here, "Jimmy," "Sweeney" and Kūpmanna. Nūng'ĕ lă'lĭtk and an old man living in a house about ¼ mi. up lagoon. Plenty of fish caught and cached here last summer; none caught now. Wrote letter to American Museum (Dr. H.C. Bumpus) and left it with Taulăna to send down to F.A. McPherson this fall.

October 18 (Monday). M.T. -4° +1° at 7.30 a.m.

Stars shining brilliantly at 4.00 a.m. Somewhat foggy at 7.00 a.m. No wind. Dense fog after 8.00 a.m.; cleared off somewhat by noon; freight afternoon. Sunset 4.00 p.m. Started 11.30 a.m., stopped at two houses (Mungilaluk's.—) for about an hour. From here Attaʻjuk accompanied us with sled as far as his cache near Toker Point (Inpanāluk). Camped 3.45 p.m. Attaʻjuk found two Foxes in traps set yesterday — one in dead fall, one in steel trap; — one skin good; the other a little blunt yet. Plenty of driftwood all along beach. Ice slushy under snow. Freshwater pond about 100 yds. E. of Camp. Landmarks here — two large, isolated mounds, or round hills, one ca ¼ mi. inland — one hill with double peak (Ca. ½ mi. inland). Ilavmiut gave one pup to Oyungiya as compensation for an old dog crippled by getting toes of one foot into Paliguk's fortrap about 1 mi. from camp. Ilavmiut was worrying because people had told him that the policeman could make him give O. his large dog for damages. Kupmanna particularly urged us to stay until tomorrow, when he would accompany us some distance East; said he had plenty of fish, and would feed our dogs if we would stay. As he and Jimmy had known for four days when we were going, I decided not to delay further for them. Robinet traded 2 fathoms ticking, 5 plug Bt Tob ½ pty matches for 2 fox skins.

October 19 (Tuesday). M.T. -6. -5 at 7:30 a.m.
Rather thick fog, but sun faintly visible near Eastern horizon. No wind. Dense for about an hour 12m-1 p.m. Bright sunshine 2:00-4:00 p.m. +1 at 4:15 p.m. -3° at 5:00 p.m. Travelled 10:00 a.m - 8:00 p.m. Passed Toker Point (Imp-na'-tuk) at 12 m. - a low bluff, with long sandspit running S or S.W., Enclosing a lagoon. Heaps of young ice cakes 6-8 ft. high along sand-spit, and another ridge about ½ mi. out; open water barely visible; edge of ice grinding heavily, plainly heard. Toker Point marked by a single large round hill about ½ mi. inland. 3-4 mi. from two hills camped by last night. A succession of low cut banks along shore East of Toker Point; a few higher hills inland. A narrow, rather deep bay about 2 mi. E.; at E. side ice thin, and a little open water near point. Just beyond this bay is another bay about 2 mi. wide, with two or three islands on east side of bay. Camped on sandspit of first island; some old house ruins on higher ground. Camped early, loads heavy, dogs "soft" and easily tired. Sledding better than yesterday; snow less deep, over ice formed after first heavy snow storms; very little slush under snow. Two or three old houses just East of Imp-na-luk; Attungit left us, and camped just East of Imp-na-luk; intending to trap here for a little while. Light S.W. all afternoon.

October 20 (Wednesday). M.T. ∓12. 0° at 7:30 a.m.
Sun shining brightly. Small fog or snow haze.
Light S.W. wind. Bright Aurora borealis (Kigōi'a) last night (at 9:00 p.m.); no lights due north, but to eastward a fan-shaped mass of irregular-shaped streamers extended up about 60° toward Zenith. To westward a semi-circular bow (Elev. of top about 60°), with two smaller secondary bows beneath; stars brilliant. +12° at 5:00 p.m.

On trail 10:30 a.m – 3:45 p.m. Everything at odds in morning — all natives in party delaying start by every pretext, hoping "Jeming," "Sweaney," Kuniannaq and party would overtake us, and I trying to move things along to keep ahead of the other gang if possible.

Stopped about noon at Iglulik, two old houses on top of high bank; fresh water in pond about 2 or 3 yds. inland. Caught glimpse of three sleds across bay 3–4 miles behind. Snow began to fall about 2:30 p.m. and objects became indistinct on land. Made Camp at Mūmirk pay'i'k(o)it ("big dance place") an old time meeting place of Baillie Island, Kittigaryuit and Kopuk people. Old houses and upright poles of very large house (or rack) here now, on high bank. Camped in leeward of point NE of house. Many fox tracks seen en route today.

October 21 (Thursday). M.T. +9°. +14° at 7:00 a.m.
Wind light, S.W. Cloudy; light snow falling.
Snow soon stopped; light fog until about noon.
Cleared up about sundown 3:45 p.m. On trail 9:30 a.m.
to 4:00 p.m., Took all day to follow around shore of
large bay, about 15 mi. around; fog too thick to
see across bay. Ice rough outside, piled in ridges of
young ice; in general, ice about 4-6 inches thick.
Somewhat slushy under snow today. Country low and
flat; occasionally a large, rounded isolated pingok.
Palaynik says each hill has a local name, but he
has forgotten most of them. He was born hereabouts.
Found piece of fresh whale's lip on ice of bay. Much
pawed by Foxes; killed this year. Camped near old
fish stage near a conspicuous dark hummock, Iglu mik ta' luk (Jimmy) on east
side of bay. Stars out brightly in evening. Wind
fresh from S.W.

October 22 (Friday). M.T. -12°. -5° at 6:45 a.m.
Clear sunrise. Wind S.W. very light in forenoon; freshen for
an hour or two 2-4 p.m.; lighter after sundown. +10° at 5:00 p.m.
Bright sunshine all day. Started at 10:00 a.m. Wolf tracks
near camp. Sooty (?) Gull flew over from mainland shortly
after 10 a.m., and soon after two Willow Ptarmigan flew

October 22 (Friday).

over sleds from front, hesitated a moment just above us, and alighted about thirty yds. behind us. Killed both. Crossed large bay keeping about 1 mi. from shore. Ice rough; a few tide cracks with open water. Pup fell into one crack while crossing and had to be fished out and rolled in the snow to dry off. Wind freshened from shore and Ilavanirt became alarmed, fearing the ice would break away from shore. Made camp about 4 pm. at Nū-vē-rak., a sharp headland between two large bays; a small ridge of hills separated from hills further back by a broad expanse of low flat land. Point Atkinson. of Richardson. Phillips Island on chart — H.C. Slate.

Several old houses, large and small, apparently remains of ship's winter quarters. One grave marked by white painted board "In memory of James Leary, born 18—. died Aug. 3, 1896." Ilavanirt says he was here on Jeannette at the time; ships detained by sou'wester; deceased was Captain's boy on bark "Wanderer" Capt. Timmons. Ilavanirt killed seven Caribou here, inland, at same time. Several broad, long leads of open water close to shore, off point here, and extending about half a mile west; several Seals seen in the water. Three Ptarmigan alighted on beach just before dark, but none were killed. Nū-vē-rak is said to have been an old Eskimo whaling station. One old carcass on beach here now; very old.

Seal.

October 23 (Saturday) M.T. −10° −4° at 7:00 a.m. 0° at 9:00 a.m. Clear. Strong S.E. East wind. Air full of bright dazzling frost crystals. East wind opened our lead very wide to westward. Large ice visible 2-3 miles off shore. Small groups of hills at this point are rounded dunes of fine sand, sparsely covered with grass; isolated from higher ground by 2-3 miles of flat land. Stayed here today to try to shoot some Seal. but lead of open water was too wide today, and none were seen. "Jimmy", his wife Kappa and boy 8-10 yrs old arrived about 3:00 p.m., one sled, five dogs. Reports that "Sweeney" and Kupmanna had crossed to Eskimo Lakes. Wind very strong in evening; snow drifting hard. +10 at 2:00 p.m. Pik to Kau'na.

October 24 (Sunday). M.T. +3°. +18° at 7:30 a.m. Cloudy. Wind fairly strong S.W., lighter in afternoon. Clear sunshine after 11:00 a.m. and colder. −2° at 5:00 p.m. Started at 10:00 a.m. and worked East and South East until 3:00 p.m. around shores of a large deep bay (Kangik'kluk) place on E. side of bay. Kakgukkluk Camped at an old igloo near some high sand hills at foot of bay. Jimmy and Ilavinik scouted inland while we were making camp. This is the beginning of an inland "portage"

October 24 (Sunday)
route, said to traverse a chain of lakes across the peninsula and reach the south end of Liverpool Bay near Nicholson Island. Distance said to be "one, two, or three sleeps"; no wood enroute. Scouts reported snow very deep and soft everywhere; without snowshoes a man sinks over his knees anywhere. Warmer, and cloudy in evening.

October 25 (Monday). M.T. −2°. +14° at 7:00 a.m. +3° at 5:00 p.m. Clear all day. Moved out at 9:30 a.m. traveled North, nearly all day (until 2:00 p.m. along East side of Bay. Made camp at point (ridge of hills), Cape Brown? where coast line bends sharply to Eastward. Much open water near point. Made camp early, to try to hunt Seal. A few seen; Jimmy shot one Seal but could not get it out. Paleiyuk saw four Willow Ptarmigan on mainland, and killed two. Many Fox tracks seen running out on ice. Light N.E. wind all day. Cloudy and warmed after 9:00 p.m. Saw large White Gull (or Snowy Owl) far away, over water. Flavimut saw flock of seven Old-squaw ducks. One pup died today — run over by sled yesterday.

October 26 (Tuesday). M.T. +3°. +19° at 8:00 a.m. Cloudy. Wind NE., light. Clear 10 a.m. — 2:00 p.m.; cloudy later. +19° at 2:00 p.m. Went out and cut 300 or 400 lbs. of dog food from an old Bowhead Whale Carcass stranded on a sandbar about ½ mi. N.E. Carcass was

October 26 (Tuesday).

three or four years old, and Jimmy had cut meat here last winter. Only a small portion exposed; a few bleached ribs, cleaned by Foxes, etc., but g carcass buried under sand below water's edge. Skin very dry and tough on surface, and cut edges weathered and frayed out; 2-3 inches below surface blubber fairly good only; good red meat below, somewhat tainted, but eaten with avidity by dogs. Very hard work cutting out meat; skin very tough, cuts like sole leather, and blubber very tough and stringy, quickly dulling axe or knife. Many Fox tracks around carcass, and we set a few traps. Jimmy killed two Seals today but could not get them. Palaiyuk saw four Willow Ptarmigan, and killed three. Five Ptarmigan alighted on ridge near camp early in the morning, but flew away before guns were ready. Ptarmigan in full white winter plumage now.

October 27 (Wednesday). M.T. +16° +17° at 6:00 a.m. Cloudy. No Wind. Started 8:30 a.m. Light snow falling; stopped for half an hour Load whale meat cut yesterday, and to feed dogs. Snow storm getting worse, with rising NE wind. Killed three Willow Ptarmigan and g flock of four on little hilly island just off point. Another flock 7-8 seen on another island later in day; two more killed.

October 27 (Wednesday).

Some of the Ptarmigan killed today were very fat; one bird had large masses of fat internally. Travelled all day, NE and Easterly in and around a large number of small islands. Most islands are sandy with high cut banks in places; all low shores covered with driftwood. Camped 3^00 p.m. near an old rack. Snow storm still thick. Clear at 9^00 p.m. and colder. +14° at 5:00 p.m.

October 28 (Thursday). M.T. —3°. +8° at 7:00 a.m. Cloudy. Light NE wind. Started 9:30 a.m., making 1500 yds portage through deep snow banks across long narrow island. Crossed channel about 1 mi. wide to another island. Saw flock 7-8 Willow Ptarmigan, on high bank, and Ilavinik killed four;—fine fat birds. He saw Nanuak (Polar Bear) tracks on island. Palen'yuk went around another island and found a fresh Seal carcass, with Bear tracks around it. Two old Bear tracks also seen on ice. Sunshine bright from 10:00 a.m. to 12:30 p.m. Sudden snow flurry from NE. for an hour or two, and breeze freshened from NE. Could not see very far during afternoon. Made camp at 4:15 p.m. after passing several small islands and had difficulty in finding wood to camp with. About dark we decided to run

October 28 (Thursday).
up to the bank and camp without wood, if need be. However, found plenty of wood buried under snow under lee of bank. Clear after 5:00 p.m.; stars out; full moon. -2° F. at 5:30 p.m.

October 29 (Friday). M.T. -11°. +5° at 7:00 a.m. Wind N.E., fairly strong. Light snow falling. Wind died down about 9:00 a.m.; calm all day. Sunshine after 9:30 a.m. all day. Started at 10:00 a.m. and travelled N. and N.E. until 4:00 p.m. crossing a large bay; could not see S. or SE side of bay (Russell Inlet). Crossed fresh tracks of two Polar Bears (one large & one smaller) going towards mainland, and returning seaward; fresh tracks, last night or this morning. Polar Bear

Sunset about 3:30. Examined banks of two islands, but could find no wood for camping. Bright moonlight, so we kept going until 5:30 p.m. when we struck Jimmy's camp, to south of a high bluff. Plenty of wood, large, straight, seasoned spruce lying in windrows here. Jimmy had travelled fast today, passing far north of our course, heading straight across the inlet. Old carcass half buried in ice here. Last hour of travel today our course turned to SE. and South (probably rounded Cape Dalhousie this morning. Jimmy picked up a large piece of fresh blubber (Bowhead) on ice a few miles back.

October 30. (Saturday). M.T. −17° −15° at 8:00 a.m. −14° at 11:00 a.m. −18° at 4:00 p.m. Bright sunshine all day. (At 1:30 a.m. I heard Jimmy calling outside Ilaviniit! Ilaviniit! Sinek hunganiuni! Naunut mikkti! A Polar Bear (♂ 2-yr. old) had come up to the whale carcass about 100 yds from tent, and Jimmy's dogs had attacked him. Jimmy shot bear while he was running. "One shot – him capsij [fell over]; one more, mukti." Jimmy said my dogs all came out, but when they saw the bear, they went back to camp without chasing him, or giving any claim. In fact, none of us heard anything until Jimmy called. Skin small, but "prime" – fine white. The pot was boiling as soon as the bear was skinned, and we feasted on boiled meat until 4:00 a.m.; meat very good, tender and fat; no disagreeable flavor.

P. Bear

In the morning, chopped some blubber and meat off the carcass (better dog-food than the last carcass). Having been up half the night, we were late this morning, and at 11:00 a.m. decided to go out to the open water to look for Seal. Saw fresh track of a very large Bear which had come within about 300 yds of camp and then run away seaward. Four Seals seen in lead of open water about one mile from shore

P. Bear

October 30 (Saturday).

but none were killed. A lead of open water and very thin young ice, about 100-300 yds. wide, about one mile East of shore. Strong current moving to SE., and large icepacks drifting along outside. Ice very rough and broken with smooth stretches at intervals. Saw two Eider Ducks, and a flock of 12-15 Old-squaws. Four of latter were killed with rifles at edge of floe, but before they could be hooked with seal-hook, the current carried them out of reach. The Old-squaws were continually diving in deep water, near edge of floe, and once the flock, working against the current, came within 30 yds of us at one time, apparently oblivious of our presence, as we sat on the ice watching for Seals. Ilaomirk went ashore to bluff, and said he could see Nicholson Island headland of with spy-glass. Today was the first really sharp cold day this fall — everyone noticed it. Light SW wind all day.

October 31 (Sunday): M.T. -19° -2° at 8 a.m. Cloudy all day. Light N.E. wind. Ilaomirk went out to water's edge in morning, but conditions were bad for sealing; little water, and strong current running

October 31 (Sunday).

to westward. He returned just as we were ready to move, at 10:00 a.m. Started S.E. for about 2 mi., then S. 4-5 miles, E. 2-3 miles, then S. Ice very rough in many places, bergs of old ice 10-12 ft. high some places. Rounded a sandspit point with plenty of wood, about 2:30 p.m. Had to make camp at 4:15 as it was dark and cloudy. Searched the beach for a mile or two, but could find only two frozen, water-logged sticks of wood. Cooked supper on Premier stove (coal oil) and the alcohol gas stove. Made a little fire in stove by soaking wet wood with seal oil. Fresh tracks, no Bear seen on ice today; many Fox tracks. Jimmy gave us two large pieces of Bear meat (one leg) this morning.

November 1. (Monday). M.T. +1°. +10° at 8:00 a.m. Cloudy; moon barely visible at 6:00 a.m. Brisk N.E. wind; snow drifting. Started from camp 8:45 a.m. Travelled south all day, keeping close to mainland. Banks 20-30 ft. high, steep, almost perpendicular in places, sandy exposures; a few stunted willow shrubs 6"-1' ft. high. Broken ice cakes up to 4 or 5 ft. Narrow lead of open water ¼-½ mile off shore; no Seals seen. Flock of six Old-squaws flies over. Picked up a few sticks of wood, about noon, at a little Cape point where a small

November 1 (Monday).
Sand bar gave opportunity for a little wood to lodge. Otherwise no wood seen all day until 3:30 p.m. when we made camp on a little sand spit near Nicholson Island. Nicholson Island seen running N.E. and S.W. just a series of high cut banks; approaching mainland a little south of us. Some wood on beach here, mostly water-logged. Had a little "discussion" with Ilavinirk tonight; he said he had decided that he did not want to go much further East, with either Mr. Stefánsson or myself.

November 2 (Tuesday). M.T. -14°: -9° at 7:00 a.m. Clear. Light SW wind all day. -5° at 5:00 p.m. On trail 9:15 a.m. — 3:30 p.m., following shore of bay E. and S.W. Water within ½ mi. of shore, between mainland and Nicholson Island. Ilavinirk shot at three Seals in water, but missed. Tried to cross Eastward, to Nicholson Island, near end of inshore lead. Jimmy started ahead, but overturned his sled in crossing the first ice-ridge, broke hole in thin ice, and got back with difficulty. Kept along shore closely to point about 2 miles from "portage" to Eskimo Lakes Route from Baillie Island to Fort McPherson — across Liverpool Bay to Nicholson "Island" (peninsula), along shore of

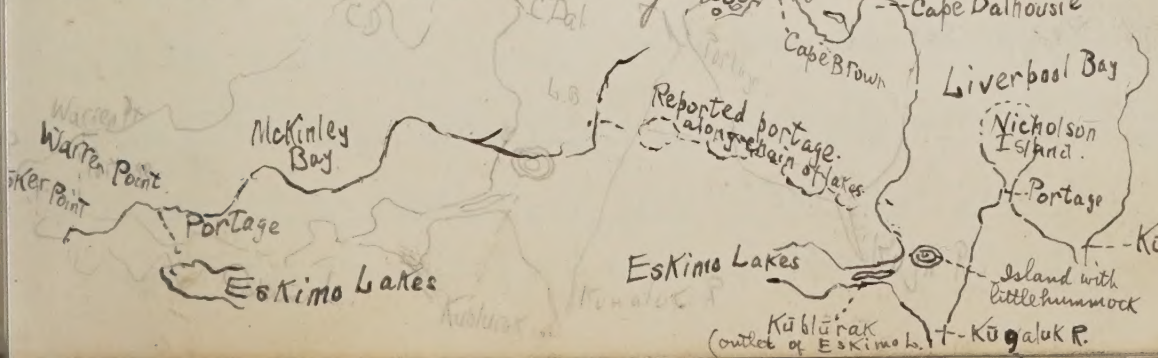
November 2 (Tuesday).

same to small island, with little hummock, near mainland. Eskimo Lakes said to empty into Liverpool Bay here by a very short river, a strait, with two mouths, separated by a long narrow island. Entrance channel deep — "white fish" (Beluga) and Seals said to go as far up lakes as point behind Tuktuk'tok (near Toker Point); salt water in Eskimo Lakes; plenty fish there; Ilavinirt says a sort of Salmon, with reddish flesh, is caught there in March.

place called Kū-blū-rak' N. Kū.blū'yak

A short distance SE. of outlet of Eskimo Lakes, a large river, called Kū wal'luk, comes out. Jimmy says "plenty trees" up this river, and he killed Caribou there last winter. East of this river mouth, ca. mi. is another river mouth (river known as Kūgh), pronounced slightly different from the word KŪK, the generic name for river. This Kugh must be the Anderson River, of P. Macfarlane, as the old fort is said to have been up this river (Fort Anderson 185 - 86). Jimmy has not been to the fort, but Oyungiya had told him all about it. "Plenty trees" on this river also.

Kūgh is eastern outlet and Kūwalluk western outlet of Anderson River.



November 2 (Tuesday).

No wood found at all today, and we had to camp tonight with only a very small fire made of two or three sticks carried from last camp on Pikalo's sled. Jimmy broke up a tea-chest for firewood. Cooked on Primus and alcohol stoves.

Ilavinirk's wife, Mamayouk, has the "new woman" idea, to a certain extent. He was ridiculing her this morning for abandoning the old-fashioned, rational Eskimo style of short artiga, a skirt reaching to knees. He said he was trying to imitate some white woman she had seen, and lengthened her skirts to the ankle, so she could scarcely run at all in the snow. He said that white women who come North are unable to run at all, and if they have to travel they must ride on the dog-sled. "What's the matter with the white women, anyway?" Mamayouk grinned, and naively remarked: "I believe, fine!"

November 3 (Wednesday). M.T. -4 +2 at 8 a.m. +5 at 5 p.m.
Warm all day; cooler after 4 p.m.
Heavy snowfall, 6–8 inches, during night, and snow fell thickly all day, large, feathery flakes, so that new snow was nearly a foot deep after 5 p.m. Cleared up about 6:00 p.m.; and stars shining brightly in evening. Light N wind during forenoon, shifting

November 3 (Wednesday)

to S.W. about noon, and blowing gently from S.W. the rest of the day. Started from camp 9.00 a.m. to cross western arm of bay, heading S.E., then East. Followed a somewhat circuitous route, around many rough ice ridges, through a thick snowstorm. Brought up 300-400 yds. from high steep banks of mouth or estuary of river Kuwalik. Here a channel about 100 yds. wide, of thin ice prevented us from crossing to land. An ice pick or knife could easily be thrust through the ice into deep water. Followed this lead of thin ice S. for about half a mile, testing the ice frequently. Finally we attempted a crossing at a place where thin ice was about 75 yds wide, sleds going across singly. Jimmy's sled crossed last, and bent the ice into some very deep undulations, but made the crossing safely, and three of us grasping the rope, dragged the sled over the rough ice ridge at the brink. Followed bank north for about 3 miles. Banks 50-100 ft. high smooth faced, about 45° slope, with occasional gullies or coulees running inland. Found a few sticks of wood on a little bar, and at 3.30 p.m. enough wood to camp with, at mouth of a little creek. The deep, soft snow hid the dangerous ice today, making travel risky, and one man had to be continually feeling the road ahead with an ice spear.

November 4 (Thursday) M.T. -16° -16° at 7.30 a.m. -10° at 8.30 a.m. +1° at 5.00 p.m. Light S.W. wind all day. Clear until 8.30 a.m., cloudy afterwards. Very light snow at intervals. Clear after 6.00 p.m. Started on trail at 9.00 a.m. Hawmuk and Jimmy went out on ice while we broke camp and moved on. They reported very little open water, but very much thin ice under deep snow. Cut a little dog-feed from old Whale carcass near last night's camp; rather small Whale. Another carcass discovered by Jimmy about 3.00 p.m. under snow 3-4 ft. deep; many Fox tracks leading to it; a small carcass and rather old. Course today NNE. and NE. No wood at all seen until 4.00 p.m., when we found plenty for camping purposes in a little cove where there was a break in the high hills on bank. Banks where exposed, fine sand, hard packed; black earth above. Near top of one high peat (60 ft. + above sea level). I saw a sharply defined stratum of yellowish sand? with black earth above and below it. One bunch of willows 3-4 ft. high seen in a little cleft in hillside facing S.W. Otherwise all willows seen were ground shrubs.

Jimmy says small "trees" (spruce; no buds) are found in one day's good travelling, or "ice sleds" of slow travel, up Kuwalik river.

November 5 (Friday). M.T. -16° -16° at 7^00 a.m.
Cloudy. Light S.Ld. wind. On trail 9^30 a.m. to 3^30 p.m. going N.E. all the time, reaching the low flat connecting Nicholson "Island" with the rest of mainland. Nicholson I. high land, bluffs, visible all day. Stopped for about an hour at noon to cut dog food from a Whale's carcass, much fresher than any we have yet found; meat red, and blubber quite oily. Saw a single Snowy Owl flying along top of high bank today; much barred with brown above and on breast. No wood found until we reached the portage; plenty of good dry wood in little Cove about ¼ mi. N. of portage. Cloudy all day, but clear in evening.

November 6 (Saturday). M.T. -22° -22° at 7^00 a.m.
-30° at 5^00 p.m.
Cloudy. Light S.W. wind. Sunshine from 10^00 a.m. to 2^00 p.m. Started out 9:00 a.m. Crossed isthmus connecting Nicholson "Island" (peninsula) with the mainland — about ½ mi. N. of usual portage. Distance across about ½ mi. First ascended bank about 10 ft. high, then over a succession of low rolling hills, crossed a fresh-water pond about ¼ mi. across (water under 6–8 in. ice). Two Willow Ptarmigan flew over and alighted about 25 yds. behind sleds. Jimmy killed one and I the other.

November 6 (Saturday). Mainland (series of low hills) plainly visible from portage. Time across 11am — 2.30 p.m. (6 or 8 miles) At beginning of portage, there appeared to be a broad semi-circular bay, not extending very far south, but from middle of bay, a wide gap opened up between hills to southward, mouth of Kūgh river (Anderson R.?). Landmarks of Nicholson Island portage: three or four isolated, round hummocks, with highland 7" island "to N. of same. Ice solid clear across bay. Followed East side of bay NE. and ENE. for three or four miles. Passed uprights of old house on top of bank, near a steep little creek gorge, and about half a mile further on made camp on some lower land, where we found plenty of wood. Calm in afternoon and evening, with decided fall in temperature. —30° at 5.30 p.m.

November 7 (Sunday). M.T. —32°. —22° at 8.30 a.m. Clear. Sunshine bright from 10 — 2 p.m. Sunset 2.15 p.m. —20° at 4.30 p.m. Our trail 10.30 a.m. — 1 p.m., crossing a broad gently curving bay. Sighted two beached boats and rack near ridge at North end of bay. Two families here, living in two tents under snow walls. One old man Iritūtūk and wife, and his son Alingnak (ca. 25 yrs old), and wife, two children. These people had been at Baillie Island

November 7 (Sunday).
until just before the freeze-up. Has seen "Karluk" and "Rosie H." at Baillie Island. "Karluk" had caught one big whale before going East. Stefánsson had transferred his boat and party from "Karluk" to "Rosie H." and gone East with Capt. Fritz Wolki. Fritz giving 1 sack flour for 3 fox-skins, Capt. Cottle 1 sack for 2 fox-skins. People here have plenty of fish cached (dried and frozen), and are catching some small fish here now in nets set under ice of a fresh water pond a little way inland. (whitefish "Kaktak")
Mamayout's brother Sam and another brother, said to have their boat cached near mouth of Anderson River, and to be now hunting and trapping up that river.

November 8 (Monday). M.T. -22° -15° at 8 a.m. -12° at 12 m. Clear day. Strong East wind blowing and snow drifting badly. Decided to stop here one day and rest dogs. Little wood here. Ilaoinut and Palaiyuk took sled up coast about ½ mi., and saw Ptarmigan tracks. People here have killed a few Ptarmigan. Alignat's eldest daughter (adopted from Pamiyuk) is a mulatto ca. 9 yrs. old), said to be daughter of steward on whaler. Complexion dark; hair curly, but not kinky or woolly; appearance more Kanaka than African. Built high snow wall three-fourths around tent this morning. (Father said to be "Portuguese.")

Saw Snowy Owl on bay.

November 9 (Tuesday). M.T. −17° −17° at 8:00 a.m.; −20° at 3:00 p.m. Clear. Strong East wind, drifting snow in clouds. All soft snow of last week packed into hard drifts. Iritŭ-ruk gave us about 50lbs. of frozen fish, and a few dried fish; our other food almost gone — a little flour, rice, and seal oil left. Gave him 2 ½lb Cans powder, 4 bars lead, 8 plugs N5. 1 lb. tea, and a few strips of wolverine skin. Ikoomik says he is an old friend, who gave him a dog and some food long ago when he made his famous Musk-ox hunt East of Cape Parry. Jimmy started off ahead of us, and we could not catch him today. Reached Tut-kai-ak' point at south end of small bay SE. Harroway Bay about 2:00 p.m. and as it was too late to start across, we camped for the night in a house, apparently deserted this morning or yesterday. House belongs to Atoo ga'ok and wife Ag-ni-gi nŭk (parents-in-law of Alingnak) — names written on paper hung on wall. Froze my chin badly, and cheeks slightly while facing wind — first frost-bites of season. Improved the sojourn in house by taking tent inside, drying it, and mending rips. Tent has been heavily crusted with ice for some time, and is getting pretty heavy. Broke end of Minimum thermometer today, but portion containing alcohol was uninjured, and it is still approximately correct

November 10 (Wednesday). M.T. −27° −22° at 8 a.m.
Strong East wind, worse than yesterday. Four Willow Ptarmigan alighted on high bank in morning and Ikwinnik bagged them all. Decided not to move today. Hunted a short distance over the hills, but saw no Ptarmigan; snow flying too thick. Slightly warmer in afternoon, but wind stronger. Ikwinnik says that the old man Iktuvuk told him that the latter had visited the old fort (Fort Anderson) on the Anderson River, in company with his father, when Iktuvuk was a small boy. The trader then they called "Spell" (probably Roderick MacFarlane, the Eskimos did not know his real name). The next year, three Canoes went up the river to the fort, but found it deserted. They went inside and seeing iron nails, etc., in the walls, burned the house, picked every nail and scrap of iron out of the ashes, and carried the iron back to Baillie Island. They afterwards regretted this action, as the traders never came back, and the natives could buy no more supplies. R. MacFarlane told me (Apr. '08) that the fort was abandoned because an epidemic (Scarlatina?) had killed most of the natives here-abouts, and consequently not enough fur was brought in to make the trade profitable.

November 11 (Thursday). M.T. -22°. -13° at 8^00 a.m.
Cloudy. East wind, less strong than yesterday.
Started out 8:45 a.m. cross little bay (ca. 2 mi.) to high bluffs at S. end of Harrowby Bay. Long sandspit running out from bluffs. Bluffs (name of high bluff = Ek pi' shūg'yuk) about 50-60 ft. high, vertical, shaly at base. Passed recent snow-house on sandspit; some wood here. Started directly across bay N. and NW. (Time 10:40 a.m. -- 1:30 p.m. across bay). Wind shifted to S.E. and then S.W. after 10^00 a.m. Light snow falling for a short time in afternoon; old snow drifting all day. Crossed low land peninsula at N. end of bay, about ½ mi. across. Old grave and canoe frame on N. side; some tall poor wood. Sunset 1:35 p.m. (my time; I think about ¾ hr. slow; watch ahead 45/30 min. to-night). Followed coast N. about 1 mile, and found remains of two camps (abandoned this morning). Made camp just before dark 2:45 p.m.; plenty of good seasoned wood on bank of a little cove. -6° at 5:30 p.m.

November 12 (Friday). M.T. -22°. -12° at 4^00 p.m.
Light S.W. wind all day; blowing hard after 5^00 p.m.
Sunrise 9:45 a.m. Set shortly after two. Bright sunshine all forenoon; brilliant parhelia. Cloudy (partially) in afternoon.

November 12 (Friday). On trail 7:45 a.m. Loaded sleds with wood here; no wood seen today except a few sticks one place on mainland about 4 mi. S of Baillie Island. N. sandspit where houses are located. Sighted Baillie Island (Ot ka'lok) a low island, at 10:30 a.m. and reached village at 3:00 p.m. travelling bristly all day. Village on sandspit at N.E. end of mainland; four houses, 28 people. 6 in one house, 3 another, 5 another, 4 in another. Too late to put up tents. Stayed all night in house of Kig-ngak-tak (wife Kopaak alias Cockeye. (Younipsow married Ová'yu ak.) Angōsiñjak. Ikomik in Kī'vi ū'na's house.

Angōsiñjak gave me letter from V. Stefánsson, reading as follows:

"Aug. 26" 09.

"Dear Anderson:— If you have it, give this lady six plugs black tobacco— I bought bootsoles on credit, paying more than I would otherwise. V Stefánsson

Going today to Horton River there probably to Cape Parry— but will leave letter at Wolki's. Probably shall not go to Banks Land with Wolki— tho I may.

"S.S. Karluk, Aug. 29" 09.

Dear Dr. Anderson:— I am boarding Wolki's "Rosie H." for Horton River. Don't know if he takes me farther. Shall leave letter there. May go to Banks Land. If I go, shall leave in Fritz' house box Savages (about 300 rounds") for Pikkalo's rifle; some primers, etc, and a letter for you. You best proceed as fast as possible to Horton River. V Stefansson

Dr. R.M. Anderson,
Kindness Capt. Cottle "

Nothing said about other supplies. Reached here with absolutely no food left, but about one quart of rice; no dog food, and dogs fed little for past two days.

November 12 (Friday).

People here have been catching a good many Seals. Open water close in shore, too close, they say. Two killed today. Jimmy arrived yesterday, and killed two Seals today. Last Saturday two men and a boy were out sealing, and the ice drifted off shore. They were out all night, and had no shelter, as there was no snow on the young ice. They made shore safely the next day. Hannah tells me that some people were crossing Hallowly Bay one winter, and the ice blew off shore. They lived on the ice all winter, and finally landed far westward on Richard Island. Dined well tonight – plenty of boiled seal meat and rotten fish (frozen). Cockey's people had no tea, so I gave them two ½ lb. pkg. Later, the old lady baked some unleavened cakes on top of stove and brought out a little sugar and molasses. Cockey bought a whaleboat from "Karluk" this summer, paying 100 White Fox, 3 Blue, 3 Red Fox, and 4 Bear skins; getting some flour, etc. besides. Before Karluk came, Capt. W. charged 1 Fox-skin for 5 plugs Black Tobacco.

November 13 (Saturday) M.T. −14° +8° at 8 a.m. Fairly strong S.E. wind in early morning. Calm from 9 to 12 m. S.E. breeze in afternoon. Sealing from 8 – 5 p.m. along edge of floe, about ¼ – ½ mi. from shore. Open

November 13 (Saturday).
water as far as we could see. Saw 12–15 Seals at
different times. Pitkal 1 Hannuit with Savage 303 Shot two, 1 Inyū'tikik Manuel Sch. 6½ m.
all recovered with Kayak. My Seal came up 30 yds + off shore, and Hannuit whistled and scratched on ice with knife. The Seal came up several times, nearer every time, and finally shot through neck at about 150 yds. as he raised his head to look around. Seals weighed about 125, 125 and 150 lbs. respectively. The other sled party got no Seals today. Jimmy brought in two Seals later. Saw 1 feet 7–8' Old-squaw flying along Edge of water

November 14 (Sunday). M.T. –12°. –12° at 8 a.m.
Clear. No wind. Wrote letter for Aglā'mirk to her son William Bayless (Catua), Jessie Lee Home, Nuiaska, Alaska. Also read letter written by the boy to his mother last Spring; well written, fairly good English; boy has been in school six years; praises the school highly and thanks Capt. Cottle for taking him away from Herschell Island. Boy's mother very anxious to see him; says she will not live long; coughs much with haemorrhage from lungs. Nobody hunting today. Church services in morning and afternoon, conducted by Hannuit, Jimmy, and Pitkalo, evangelists from the west. Noticed nobody praying yesterday or

November 14 (Sunday).

the day before, except Tanaumirk. The latter sailed with us from Peel River to Shingle Point in 1908. Last winter he eloped with wife of "Fearless" (Ilavinirk's brother), and last summer the woman ran away from Tanaumirk. Natives spent day trading, card-playing, eating, etc. Ate six or seven meals today, rather lunches (bread, tea, seal meat, dried fish, and rotten fish). At present, I am able to hold my own with the Huskies eating — good appetite; fill up, and am ready to eat again within an hour. After a long spell on the trail, even though we have plenty to eat every day, I am hungry all the time for three or four days, while resting up at some settlement. Sergt. Fitzgerald and Carter of R.N.W.M.P. told me that it is everyone's experience. When a man has made the overland trip with "Dawson Patrol" (25 - 40 days) with plenty of grub, too, after reaching Fort McPherson, he wants to eat almost continuously for a week. Half an hour after a big dinner, the men begin to prowl around the kitchen, seeking what they may devour.

On this last trip, I have become convinced of the nutritive value of rice above any other cereal food. We have used about 40 lbs of rice on this trip — eating

November 14 (Sunday).

some with a little malted milk (4 cans in all), and some with a little seal oil. For several days we lived on two meals per day of boiled rice with some frozen fish. One large cup of rice (less than one pint), boils into about two quarts of thick mush in 15-20 minutes, and gives a good plateful each for seven persons; "filling up" and staying much better than wheat bread. For the trail, I consider 50 lbs. rice of greater food value than 100 lbs. flour. Inspector Jennings, R.N.W.M.P., told me last summer that we would never, if he could help it, start on a long sled trip without a sack of rice on the sled.

Most of the people have plenty of frozen rotten fish, plenty blubber, some seal, dried fish, and I noticed large bunches of gulls hanging on some racks. Nearly all have some flour, etc., from the ships last summer, but not enough tea or tobacco for the winter. Difficult to buy much here, however, except for tea and tobacco. One seal = 1 fox-skin at last summer's price, i.e. 13 plugs black tobacco. The seal is more than half blubber, and has only about enough meat for us and our dogs for one day. Dogs surfeited with blubber now and refuse to eat it.

November 14 (Sunday).

Ilavmiut bought for me 30 frozen fish, for 1 lb. tea, 5 plugs Blk. Tobacco, 1 pkg. matches. Gave Kringartuk (my host) 5 plugs B.T., 1 lb. Chewing Tobacco, 3 pkg. cig. Tobacco, 3 lbs. tea, a little salt, a few needles.

November 15 (Monday) M.T. -10° +2° at 8ºº a.m. -6° at 11ºº a.m. Strong N.W. Gale, commencing about 3ºº a.m., strongest about 9-10 a.m., moderating in afternoon. Nobody able to hunt today, disappointing, as we hoped to get a seal, or two today, and start East tomorrow. Kringartuk gave us about 75 lbs. frozen fish today. gave us a few dry fish, and piviaksina - a little flour (frying-pan full). I did not like to take the latter, as the people have not much flour, but Ilavmiut assured me it would be bad form to refuse. Quite a bit of trading done by Ilavmiut and Pikalo; the latter bought some dried fish. Kringartuk asked for some .44 Blk. cartridges. Borrowed 1 box (50) from Pikalo and gave him. Inning decided yesterday that he would like to accompany us. He has had no luck trapping thus far, and wants fur to satisfy H.B.Co. I am glad he is going along, as he is considered one of the best hunters on the coast. Everybody on the island playing now, every time they sit down to eat a fish or drink tea

November 15 (Monday).

Baillie Island people busy all summer; men fishing, and looking for whales and "whitefish". All wood has to be brought a long distance from mainland in canoes, mostly by the women. In summer water has to brought from mainland or from a pond on a neighboring island. People say they have hard times when ships do not come; men can not leave summer's fishing to go to "iglupuk" (H. McPherson), and people (natives) who bring out goods from McPherson charge too high commission (they consider H.B.C. prices too low, anyway). Last spring people here were without tobacco for several months before "Rosie H." came, then everybody began smoking again:

Kringaktet's son Avayuak (12-13 yrs. old), has complained for a day or two of bad headache. His eyes are very badly inflamed, sight nearly gone in right eye, and left eye impaired (apparently erysipelas or some scrofulous affection). His mother said that when he was small (4-5 yrs.) his whole head was covered with sores, which gradually reached his eyes. Boy's hair was clipped close this morning and in afternoon an old man Payuk', Aglamirk's husband, was called in. The boy's mother and another

November 15 (Monday)

old woman held the boy's head, while the old man giving a quick, drawing cut with rounded edge of a teen skinning knife, made a longitudinal gash 1½ inches long and apparently ¾ in. deep, through scalp to the bone. Wound gaped open and bled profusely for half an hour, while the boy stooped over a wooden pan. Boy's crown seamed with numerous large scars of previous incisions; head tonsured previous to clipping all around. My hair clippers were used by about a dozen people today and yesterday. One man whose head was clipped, had scars scarred with "doctor's" knives, as badly as if it had been ploughed with bird shot. Most of the older men have bodies, particularly back, covered with scars, the custom being to let out some "bad blood" over the seat of pain. Some delay was caused in the operation today, as the boy was not quite certain which part of his cranium was most painful, and changed his mind about the location two or three times, flinching as the doctor was about to cut.

Harmick says the people still practice bleeding here and around Kittigaryuit, but not west of the Mackenzie. Have seen only one man wearing "tutak" Pygali — wears two round white tags

November 15 (Monday)-

or labret, although all men have lips pierced. Women have tattooed stripes on chin, and most of them wear long, pendant, fan-shaped ear-rings of white and blue beads. People here have few good deerskin clothes; unable to get them; no deer in this region now. Most clothes made of woolen and cotton cloth, and of sealskin. One man is wearing a shirt made of White Fox skins (backs of 15 skins); said he had worn it for three years. (Rather expensive shirt material at present prices). Colville River (Alaska) Eskimos are also poorly dressed, but for different reason. They kill the deer and sheep, but sell all the good skins to the Cape Smythe Eskimo traders every summer, in return for ammunition, flour, calico, &c.

I asked Kringoak if he had been to the old "igluput" on Kuga (Anderson River). He said no, but his father and mother had gone there. Kopaak remarked "Una sillatauni pitjut" ("He did not go" because not yet born). with an expressive gesture.

Kōpaak has skin of a Shrew killed in house here (apparently same species as those taken near Toker Point). No mice on island, but said to be common on mainland. No lemmings seen this winter.

November 16 (Tuesday). M.T. -5° +8° at 8ᵒᵘ a.m.
Cloudy. Howling gale from N.W, air full of flying snow.
Wind moderated after 10ᵒᵘ a.m, and sun appeared a little
above southern horizon. +7° at 11.30 a.m. Intended to
start this morning, but weather was so rugged that
everyone advised against it. Weather here is very change-
able, perhaps a bad storm in morning and calm an
hour later. Wrote a letter to Dr. H.C. Bompas of Anglic
Mss. to leave here, in expectation of Insp. Jennings R.N.W.
M.P. coming up from Fort McPherson this winter; also
a note to officer in charge of patrol. 'Dog' secured small
bear skin belonging to King at Utkuk.

November 17 (Wednesday). M.T. -5°. +2° at 8ᵒᵘ am
N.W. gale all day, snow drifting thickly; unable to
travel. One Ōlakpaina man showed me a Kugu harpoon head made of
dull black stone, and a small knife made of polished
translucent hard stone; said he picked them up under
a crumbling bank on sandspit across from Baillie
Islands, Ab-vūk (or Ab vāk) used "ai paūni" (long ago) by people here.
Wanted to sell them, but I could not afford to buy.
People here have a few "Reindeer" skins, bought from
Capt. Cottle last summer, for one fox-skin each. Sold for $5ᵒᵘ cash
No one out on ice today. Some men out yesterday,
reported little water, but very rough. N.W. could be

November 17 (Wednesday).
brought the icepack close in shore. Two or three Seals were seen, but rough water and very strong Eastward current prevented killing. We had to cut up our last Seal last night.

November 18 (Thursday). M.T. -17°, -17 at 8 a.m. -20° at 4 p.m. Clear, calm morning. Dogs chewed up waterproof bag containing our little remaining rice (ca. 1 qt.), spilling all on ground. Also ate cotton sled lashing and a deerskin (bedding) belonging to Pikalo. Emptied tea to clean out snow which had drifted in. Everybody went out sealing today. Jimmy decided not to go with us today, but may follow in a day or two. Started out 9:30 a.m. Smooth travelling across strait, about 1 mile, to sandspit running out from cut bank, known as Ab-vŭk. Sighted flock of 10-12 bullow Plectrophanes on top of bank. Shot 1 killed four, very fat. General course after this Eastward; very rough ice all the way; great cakes of old, dirty ice jammed up close to banks. Beach mainly fine gravel; banks 25-30 ft. high, steep; occasional gullies. Tableland behind. Ascended bank to look around; saw fairly open lolling SSE. at 11 or 12 mi. somewhere around Cape Bathurst. Made camp at 3 p.m. at Ti ngi ni ra' nŭk (H.) a few miles W. of Whale Bluff. Saw live fox in trap on sandspit ca. 4 mi. back.

Ki ngi nik tio' yŭk (K.)
Some word; rubber from

November 19 (Friday). M.T. -24°. -29° at 8^30 a.m. -21° at 4:30 p.m. Clear all day. Very light, almost imperceptible NE-wind all day. Cut some rather poor dog-food from an old whale carcass about 200 yds. from camp; very tough and frozen hard, but dogs had eaten some during the night. On trail 10:30 a.m. Abour noon passed along the high (ca. 100–125 ft), known as Whale Bluff (or Kingat' Kingk) Said to be good whaling ground close in shore here. Baffin Island people often camp here to hunt Seal. One old igloo seen here. Had travelling most of day; over rough, broken-up young ice, winding about among great masses of old, dirty ice-bergs, rounded and worn smooth by waves. Coast trends more to SE, and then south, banks almost vertical in most places; stratified; soft grayish shale near base (often undermined); large patches of red oxide (iron?) numerous on side of cliff. Dug out some specimens of soft, although frozen earth resembling fuller's clay (about 3 ft. thick). Some Ptarmigan seen near morning camp, on top of bluff, but none secured. Made Camp at 3^30 p.m. at mouth of a little creek (on first gravel beach since leaving Whale Bluff). Some wood here; one old house. Cliffs somewhat broken by occasional gullies near here. Nava shua (little girl) sick last night; whole body covered with red rash resembling Chicken pox, somewhat reduced this morning, [illegible] all night

November 19 (Friday).
but bad again in evening. Mavimik says our boy at Baillie Island had similar affection while we were there. Feel a little under the weather myself today — no appetite for either rottenfish or blubber. Saw one Snowy Owl flying along the bluff today; also a few fox tracks. No open water visible on Franklin Bay.

November 20 (Saturday) M.T. −27°. −10° at 8ᵃᵐ a.m. Cloudy. On trail 9³⁰ a.m. Ice very rough and broken close in shore. Smoother ice winding along outside of pressure ridge 300–600 yds off shore. About 11ᵐ a.m. noticed small clouds of white smoke issuing from side of cliff 20–50 ft. above water level. Smoke issuing from cliff at intervals for about a mile — then a gap of no smoke for about a mile — then numerous smoke-holes around a well-marked point or cape for perhaps two miles. A short distance S. of first smoke seen, the sides of cliff showed less vertical; apparently caved down by fires burning strata below; a well-defined irregular terrace 30–50 ft. above water for some distance. Rock in general appears black; resembles coal; classed as "bituminous shale" by Richardson, who observed fires smouldering in this region when first in 1826, and later in 1848 (Arctic Searching Expedition, Sir John Richardson, London 1850). In a few places exposures near smoking places appear tinted with yellow, and crimson and various shades of red, probably from heat

November 20 (Saturday).

Klavinuk had passed Kluc many times, and says that 6 yrs. ago there was no smoke coming out within a mile of the most northern smoke observed today. Smoke drifting out seaward smelled strongly sulphurous, and distinctly unpleasant at times. About 2:30 p.m. sighted sled coming along coast; and soon greeted V. Stefansson and "Billy" (Netkit'shiak), who had left Horton River about six hours before. Iglulik'a'lik wit

Stefansson landed at Horton R. (Capt. F. Wolki's House) Aug. 1, went on to Cape Parry in "Rosie H." Cached most of his goods there, sailed to South end of Langton Bay on Umiak with Billy and Pannigablok, hunted Cached boat there inland 40-50 miles, crossing low mountains (Melville Range), killing plenty of Game since we last saw them — 1 Polar Bear, 3 Barren Ground Bears, 32 Caribou, 1 Wolf, 1 White Fox, 1 Red Fox, 1 Wolverine. Bears Christian Sd

Said Pannigablok was now on hand inland, up Horton R with 22 Caribou carcasses. A large part of their stuff still in house at Cape Parry near wreck of "Alexander".

Stormy weather prevented Mr. S's party from staying at Parry long enough to sort goods well. Decided that Netkeshiak ("Billy"), Ritalo and I should go to Cape Parry for necessary supplies, while S. proceeded up Horton R. with remainder of party. Very light West wind today.

November 21 (Sunday). M.T. -10. -18° at 8 a.m. Cloudy all day. Camped on ice last night. On trail 8³⁰ a.m. to 2³⁰ p.m. and camped in Capt. Wolki's house (small house, Eskimo style); frame store-house alongside; plenty of wood along beach for ½ mile west of house (all coming in this year, U.S. said). Whale carcass on beach about ½ mi. W of house. Saw white fox running away from same. Large chest of bird skins (good skins, full series of measurements, sexed), and a number of loose eggs (unmarked), with data loose and unattached (cannot tell with certainty which sets they should accompany). Capt. Wolki told Stefansson last summer that he would sell the lot for a dog. Eggs were left in trays with accompanying data, but natives had evidently thought the trays valuable to them, and had dumped eggs all together in big chest, and carried off trays. Many sets of Arctic Tern, also Red-throated Loon, Glaucus Gull, Hawks, Ducks, Geese, etc

November 22 (Monday). M.T. -32. -28 at 10 a.m. Clear, moderate. Spend day sorting out stuff to cache here. Ikaouna and Billy find a large supply of very good whale blubber from carcass up the beach; apparently tongue, and better dog food than any carcass we have yet found.

November 23 (Tuesday). M.T. -32°. -31° at 8³⁰ a.m. Gale blowing from W.N.W. Snow drifting everywhere. Stefansson decided to stay here (Wolki's house) today, as he would have to face wind for several miles up the river. He is going up to his "deer meat camp" with Ilavinirk, Mamayaut, Nuvashat, Palaiyuk and the old man Kunasilek. I am going to Langton Bay cache, thence to Cape Parry, with Billy and Pikalo. As we have wind "quartering" behind us, decided to start today in spite of storm. Left Wolki's house at 9.30 a.m. and camped at V.S.'s last camp at 5³⁰ p.m., last two hours travelling by moonlight. Ice very rough most of the way today. Wolki's house about 2½—3 miles N. of mouth of Horton River. River breaks through an abrupt gap in mountains about ½ mile wide. A few miles south of here, strata of cliff many colored, yellows, reds, browns. Ice on sides colored sulphur yellow in places, with strong alum taste. Picked up some soft, red (modern) ice (loose) clots, soft as putty at -38° (or lower); smear like paint, interlarded with thin harder layers.

Froze face, cheeks and chin continually today. Slightly warmer in evening -30° at 6 p.m. Mountains are growing less steep, and sloping away from the bay into rounded hills. Plenty wood [illegible]

November 24 (Wednesday). M.T. -20°. -12° at 8^00 a.m. -12° at 6^00 p.m. On trail 11^00 a.m. -5^00 p.m. Strong N.W. wind most of day, but sudden lowering & veered from 4^00 p.m. until 5^30 or 7^00 p.m., almost calm for an hour. Good travelling late in day over smooth ice (with little snow), in places where V.S. and Billy had to travel on land on account of open water a few days ago. Earlier in the day we occasionally took to the land when sheet ice was too rough. Mountains much lower - ¼ to ½ mi. from coast. Land sloping gently up to foothills, sparsely covered with grass and very small creeping ground willows. Plenty of driftwood everywhere on benches and hills. Expected to reach Langton Bay to-night, and so did not take much grub along - six small frozen fish. Ate one apiece for supper last night and the same for breakfast this morning. No supper to-night, but boiled tea and a smoke. We had little left at Horton River, and as Stefansson's party had further to go it was thought best for them to take the bulk of what was left there. Wind increased every minute after 7^00 p.m. and now blowing a howling gale by the time we went to sleep. Blew snow banking away from tent and we had to re-bank with solid blocks.

November 25 (Thursday). M.T. -15° -15° at 9 a.m.
Howling gale from S.W., sweeping snow at a fearful rate. I was barely able to stand up against wind. Edge my nose almost to base in afternoon and got frost-bite. Ice has broken away from shore again. Unable to travel today, although we have nothing to eat here, except rotten whale blubber, taken from Horton River for dog-food. Tried a little this morning, raw, frozen, but even the Eskimos gave it up after a few bites. It is nothing but a mass of stringy fibre saturated with rancid oil and seawater. Spend day lounging over camp stove, trying to keep warm. Tent nearly blows away at every gust. Little good wood here. By the irony of fate, this is Thanksgiving Day, and the first day that I have been absolutely without any edible food since reaching the Arctic. Tent too cold for writing tonight. Billy tried boiling a little carcass blubber in water in frying pan; tried and found some rancid oil; residue stringy, but a little less rank in taste. Wind threatened to go down about 7 pm coming in fitful gusts. Thought of starting out and travelling by moonlight, but in half an hour gale was stronger than ever. Cold all night; and did not sleep much.

November 26 (Friday). M.T. -25°. -25° at 8° a.m. N.W. wind, only a trifle less stormy than yesterday, - Open water close up to beach, width unknown - Decided we must push on to Langton Bay despite weather. On trail soon after daylight 10° a.m. Cloudy. Had to travel along beach, often across bare sand and gravel bars; occasionally on edge of ice ridge at beach. Hills getting lower, and receding from coast. Open water close to beach beyond point where Langton Bay proper begins, where it began to edge off shore to Eastward. After 3 p.m. traveled over rather smooth young ice across bay running nearly all the way, with land behind us. In fact, ran nearly all day. Crossed sand spit, and reached ships old ice-house about 5 p.m. Five graves, white mens' (Narwhal and Beluga) close to ice-house, marked by white painted boards. Ice-house barely visible, entrance packed full of snow, although opened by V.S. and Billy a few days before. Ice-house, with double doors, sunk about 12-15 ft. underground, through hard earth and clay. Rather warm inside; meat not frozen hard. Cache here of nearly whole Polar Bear, one Barren Ground Bear, several Caribou, Caribou and Bear fat. etc. Broke fast of nearly 68 hrs. with lunch of frozen meat and deer fat.

November 26 (Friday). Fed dogs a little bear meat, then crossed lagoon, about ½ mile to old store-house and ships winter quarters near point of long sand spit. Shingled house in fair state of preservation. Stefansson's uncle cached here and goods in house — a little flour (25 lb), oatmeal (4 lbs) etc. Put up tent in lee of house. Wind moderated after 4 pm. — 30° at 7 pm. Clear, almost calm. Spent evening cooking and eating.

November 27 (Saturday). M.T. — 31.° — 30° at 2 pm. Clear. Light NW wind. Billy and Pikalo got out meat enough from ice house for Cape Parry trip. Spent day drying out tent, bedding, skins, clothing etc, which had become pretty well iced coming from Horton River. The terrific wind past week blew tent full of snow, and our fire kept melting same; so that everything is getting heavy. Billy cooked some of this and Stefansson's "invention" of oatmeal porridge — the most delicious oatmeal mixture I ever tasted. Boil two or three cups of oatmeal with a cupful of small pieces of Canton back-fat, season with salt, and stir until thick; porridge is sweet, rich-flavored, and nutritious. Stefansson says he and Billy travel all day with a breakfast of nothing else.

November 27 (Saturday) Inventoried part of stuff here, to see what must be brought down from Cape Parry cache. Nose badly frozen yesterday and the day before; feels very soft, pulpy and sore today.

November 28 (Sunday). M.T. −33° Clear in early morning. Full moon, very brilliant. Dead calm from 1:30 am to 5:30 a.m; clear. Cloudy at 7:00 a.m. Very light snowfall from 11:00 a.m to 2:00 p.m. −28° at 7:00 a.m. −25° at 12 M. −24° at 2:30 p.m. Felt somewhat indisposed (bowel complaint) last night and today caused by over-indulgence in fresh meat and fat, after eating little meat for some time, and a recent fast. Pikalo's dog "Peter" very sick today; he froze penis on trip Friday, now badly swollen; continually tries to urinate, but can not do it. Pikalo thinks he will have to shoot the dog. I have not seen a similar case. Ilavinik's bitch "Lucy" froze milk in udder coming to Baillie Island; and a hard lump formed there. When travelling with a bitch nursing pups, Eskimos habitually fasten a piece of deer or sheepskin underneath the bitch's body to protect the udder. Freezing of udder said to be common, and serious. Spent afternoon repairing boots, clothing, etc. Billy boiled bear soup for dogs outdoors today.

November 29 (Monday). M.T. −23° −18° at 9^00 a.m.
Blinding snow-storm, mostly snow drifting, with S.W. wind all day. Could barely see edge of sandspit 50 yds. from house at 9^00 a.m. Wind lowered after 6^00 p.m.; Clear evening. Had to stay in camp today, but improved time repairing clothing, etc.

November 30 (Tuesday). M.T. −28° −23° at 9^00 a.m.
Strong S.W. wind, and fairly clear, but air full of drifting snow. Left Langton Bay house and started for Cape Parry at 10^00 a.m. Highland north of lagoon barely visible from house. Wind lowered about 10^30 a.m., and we had fine weather for about two hours, with light S.W. behind us. About 12^30 p.m. it suddenly began to blow harder while we were crossing a bay, and in half an hour a howling blizzard was raging. Hauled up to a sandspit about 2^00 p.m., found wood, and made camp with some difficulty, by first erecting a high snow wall to windward of tent site. Before we were through making camp, we could barely see thirty yards through the flying snow. Weather seemed to turn colder, but lost minimum thermometer in snow while unpacking sled. Froze face slightly and big toe of left foot quite badly while

November 30 (Tuesday).
making camp + and we were unable to get feet warm for nearly two hours. When I got my boot off, toe seemed to be frozen hard and stiff up to first joint, and I could not get it fully thawed for nearly an hour; toe rather painful during night. Big toe of right foot very slightly nipped also.

December 1 (Wednesday). Strong S.W. gale all night and during forenoon. Wind lowered somewhat towards noon, but too late to move off today. Fairly calm in evening, very light S.W. wind. Big toe somewhat swollen today, with large pink blister (about 1 in. long × ¾ in. wide) on inside and superior aspect of toe; somewhat sore, but not so bad as anticipated. Colder tonight.

December 2 (Thursday). Clear morning; no wind. Up at 3.30 a.m. On trail 6.30 a.m. and travelled by moonlight for two hours. Followed edge of sandspit for a mile or two, then keeping a general northerly course, crossed mainland for 5—6 miles; low flat land, with numerous small lakes. Emerging on sea ice again about 9.30 a.m. on east side of a large bay. A long line of high

December 2 (Thursday) NW

Land visible several miles to westward, running out to a long point (probably Stivins Point). Ran parallel to this high land keeping rather close to Eastern shore. Plenty wood along beach. A small island about midway between end of point and northern end of bay. North end of bay marked by an outcropping of rock, forming a sharp cape, with an isolated rock pinnacle about 12-15 ft. high just off point. Several caves hollowed into base of rock by wave. Hares Dogs started a white rabbit (Arctic Hare) among ice hummocks at this point. Ice smooth in bay; lanes at intervals from now on. Coast line more uneven, with little bays, and rocky headlands 15-20 ft. high. Saw fresh tracks of one large and one small Polar Bear together, among rough ice. Polar Bear Made camp at 2 p.m. on sand beach, at south side of large bay. Plenty of good wood in windrows on beach. Light S.W. wind after 1 p.m. Clear all day. Morning sky typical of clear day when sun is below horizon. — deep indigo near horizon, shading into lavender and that into rose pink; most vivid toward north. Southern sky lighter, but colors less rich. About noon the sky was bright crimson where sun was just below horizon.

December 2 (Thursday). Good travelling today, running most of the time; made perhaps 15-20 miles. Big blister on frozen toe in morning; broke during day, but did not give much discomfort while travelling; although water made sock wet.

December 3 (Friday). Morning somewhat foggy. fog increasing until about noon. Light S. W. wind all forenoon; shifting to north about noon. Clear sky after 6th p.m. Wind N. W. On trail at 6a a.m. by rather good moonlight. Road rough for first few miles; with broken ice cakes close in shore. Crossed a rather broad bay, and entered a long fjord about ½ mile wide at entrance, but soon narrowing to about 300 yds. and running inland (N—) for 2 or 3 miles. Made portage of about 300 yds. on a low, barren, stony ridge, and entered end of another long, narrow winding fjord. At 11.30 came in sight of Cape Parry headland, and at 1p p.m. rounded the N-W. point of the fjord and suddenly came within ½ mile of the wreck of steam-whaler "Alexander" of San Francisco (wrecked Sept. 1906). Grounded on rocks at entrance to fjord, apparently in good shape still, only slightly listed to port.

Cape Parry.

December 3 (Friday)

On the beach, about 10 yds from the wreck, is a Kogmollit house, built of wreckage from the ship. Stefansson's goods were cached inside this house in September. Door found partly ajar, and house nearly full of hard packed snow. Spent about four hours mining out the snow. Goods had evidently been disturbed by bears, and Billy says someone had moved the stuff from the other side of house since he had been here with Stefansson. Carried all goods outside, swept out house, set up an old cook-stove, and prepared to live in house for a few days. Polar Bears had made away with four potato-boxes full of whale blubber, and spilled all alcohol - 15 gallons. two slabs bacon, Capsegad alcohol Camp etc.

Polar Bears

"Kăn'nŭk tig'lik ĝot."

Saw tracks of sled (comparatively recent). Going to house, and away from same. Suspect that ship is wintering hereabouts, as no Eskimos are known to be living in this region at present. Three Kogmollit families, Kupmanna, Attiguk, and lived here the winter after wreck of "Alexander". Beach strewn with boards, iron, rope, and ships' furnishings of various kinds. Billy says that two of the men who lived here are now with Capt Wolki on "Rosie H."

December 4 (Saturday). Clear. Cold. N.W. wind.
Spent day getting out wood, banking house with snow, etc. Billy and Pikalo went down the lagoon to place where U.S. cached a large cast of Egret meat and blubber last fall. Cast covered with heavy driftwood. Billy found all the meat and blubber gone, stolen by Bears. He said the cast was smashed as if by an axe. He saw Rabbit tracks today, and also fresh sled tracks running towards Booth Island. Booth Island, or high rocky island about 5-6 miles N.W. of Cape Parry, is the place where ships winter in this region.

December 5 (Sunday). Clear. Cold. Light S.W. wind. Billy went out to look for Seal holes in lagoon ice. Pikalo and I crossed to Booth Island. Nearest headland of Booth Island about 3 miles from "Alexandra". On East side of island struck a trail of numerous sled tracks, and two loose dogs of the spring Fox trapping party. Saw fresh track of man near island. I suggested it might be an Eskimo, but Pikalo said positively that no Eskimo had a foot so big, — Kablunas only. Shore of Booth Island very irregular, numerous bays and fjords, land rough and rocky, almost barren.

December 5 (Sunday).

Crossed a narrow isthmus and soon sighted the "Rosie H." in winter quarters at further end of a large deep bay or lagoon. Reached ship at 1:15 p.m. (two hours travel, said to be 8 or 9 miles from "Alexander"). Found that Capt. Wolki, with wife and Kognoullit boy had started for Langton Bay Sat. Nov. 27th. His people had recently found fresh sled and dog tracks on young ice 3-4 in. thick, floating past Cape Perry after S.W. gale; supposed tracks were those of Mr. Stefansson, and Fritz had worried considerably about it. He had gone toward Langton Bay to see if he could see any trace of Stefansson, and would perhaps go as far as his house on Horton River "if trapping was good". A Whale's carcass reported to be on beach near Storms Point. "Rosie H." still has all old crew, Mr. Harry C. Slate, master, two boat steerers, one cook, three forward hands ("Geo. John" Kubl, and nine Kognoullit people from Baillie Island. Mr. Slate said the schooner was unable to run very far up west side of Banks Land in September on account of head winds, so turned about cruised back around Nelson Head, followed the shore all the way around De Salis Bay, and some distance further, without finding a good harbor. Then they cruised out towards Prince Albert Land, but did not land. Five Polar Bears were killed on south shore of

December 5 (Sunday).

Banks Land. Failing to reach a suitable harbor on account of Continued head wind, Capt. Wolki returned to Booth Island Sept. and went into winter quarters. Plenty of very good wood on Booth Island, dry, clean and free from sand. About 20 Seals and 7 Ugruk had been killed this fall. One Caribou mysteriously appeared on Booth Island last week after a S.W. blow, and was killed by one of the Netsilik people. A few other tracks seen. A few Arctic Hares, and a few Rock Ptarmigan have been killed here recently. About 50 Arctic Foxes have been trapped on the Island this fall, 24 by the Kopmollets.

Jim Fiji caught four Foxes today. As there is no moonlight to travel by, we accepted invitation to sleep on board ship.

Mr. Slate says that there are a number of old graves on Booth Island. Capt. Wolki found an old bone snow-scraper or brush on one grave last fall. No Seals have been killed recently, and no Bears seen, as there is no open water. There is said to be open water close in shore whenever the wind is from N. or NE., particularly off Little Booth Island.

Mr. Slate says that Nelson Head (southern extremity of Banks Land) is not visible from Cape Parry at this season, as

December 5 (Sunday).
the northern horizon is too dark; says he has seen Nelson Head plainly from ship's deck off Cape Parry in summer. (My "dollar" watch 5 min. behind ship time)

December 6 (Monday) Clear. Cold. Wind N.E. at 4pm 4 a.m. Shifted to S.E. about 8am 9 a.m. and remained in that quarter all day, strong enough to drift snow along surface of ice. Line of open water visible from Cape Parry westward, off point of Booth Island. The ship had plenty of surplus seal blubber on hand — had caught a good many seals in fall, and consumed meat much faster than the blubber. Mr. Slate gave us a sled load of Seal and Ugruk blubber, said that the blubber of four or five more Ugruk is lying on the beach somewhere, but now buried in snow. Home trip 9am 9 a.m — 12 m., facing stiff breeze. Billy said he found an Ugruk blow-hole yesterday, and watched it until the Ugruk came up, but a careless movement of his foot scared the animal before he could shoot. The Ugruk came up again, but it was too dark and he failed to hit.

Earliest Seal

December 7 (Tuesday) Clear. Cold. S.S.E. wind. Billy went to Booth Island to set some traps and visit ship. Pitalo

December 7 (Tuesday).
went to look for Seal holes, and I after wood. Found plenty wood at S.W. corner of lagoon near house, but mostly rotten. Dragged one large log home. Saw two large coils of good rope on sandbar at further End of lagoon.

December 8 (Wednesday). Clear forenoon, No wind. Cloudy after noon, S.W. wind: Warmer in evening. Hauled in a sled load of wood. Saw Raven hovering over camp. Billy returned from ship; found no open water, but saw fresh Bear and Hare tracks near Little Booth Island.

December 9 (Thursday). Cloudy. S.W wind. Warmer. Clear evening. — 12° F at 4 pm.
Opened up cache, and took out some goods, re-piling cache. Continued sewing on tent. Piece three fathoms long, and six breadths wide (6 yds); necessitating five longitudinal seams, and one across each end — total seam: 21 fathoms or 42 yds; material used, white cotton drilling. We are sewing with No. 25 white linen thread, lapped, overlapping the seams.

December 10 (Friday). M.T. -23°. -22° at 10^m a.m. -23° at 12 M. Clear. S.W. wind. Billy and Pikalo went to look at traps. Pikalo lost one trap, and caught nothing. Billy caught a Raven in one trap, but the bird had been eaten by a Fox. He killed a large Arctic Hare with .45-70. The Hare was about size, shape and weight of the Northern Jack-rabbit, black-tipped ears and all white; better eating than Jack-rabbit. Spent all forenoon melting a large pot of water and cooking flour and blubber soup for dogs. Scorched bottom of pot very slightly, and some of dogs (Peter, Joan, and Pikalo's two Esq. dogs) refused to eat any. All dogs refused to eat Seal blubber. Stomach contents of Hare (moss, grass) eaten by us; rather good.

December 11 (Saturday). M.T. -25°. -11° at 9^m a.m. -15° at 1:^m p.m. Clear. S.W. wind. Wind S. in evening. Cooked dog-soup of entrails, bones, &c. of Hare, thickened with a little flour, and all dogs ate ravenously. Billy caught a ♀ Arctic Fox in trap; one foot was nearly gnawed off. Fox was very fat, and we ate some boiled for supper; meat very good and tender, no disagreeable flavor; better than Hare shot yesterday. Finished sewing tent tonight.

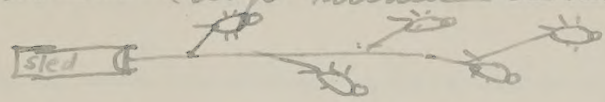
December 12 (Sunday). M.T. −26° −19° at 9h a.m. −21° at 1h p.m. Slightly cloudy. Light S.W. wind. Cooked dog soup of Fox meat and entrails, thickened with a little flour; all dogs ate greedily. Pikalo killed a large ♂ Seal by shooting it through head as it came up to breathe at its blow hole. Both Pikalo and Billy said it was the largest Seal (Natjiik) they had ever seen. Color normal; whitish below, thickly spotted with dusty on back. Length (nose to tip of tail) 65 inches; greatest girth 54 inches; weight about 200 lbs. Gave dogs a good feed of meat and blubber; they ate the fresh, warm blubber readily enough. Boiled seal meat for supper. The small intestines are considered a delicacy by Eskimos — the mesentery is stripped off, and contents of gut squeezed out between thumb and finger. The intestines are boiled for a short time, and preferably eaten hot; intestinal walls thick, about ¼ inch, and central cavity very small. Rather tender when boiled, and lack the "seal flavor" of the meat.

December 13 (Monday). M.T. −32°. −22° at 12h M. Clear. S.W. wind in morning S.E. at noon. NE at 1h p.m.

December 13 (Monday).

Ikuid got around to N.W in afternoon, and remained in that quarter all evening. "Old John" Kuhl and Jim Hill came over from "Rosie H." arriving at 10th am. and stayed about two hours. They cached three sacks of flour here, intending to trap west of here "after the time comes back". Gave Hill a small deerskin, and he promised to get one of the Kogmallik women to make me a pair of mittens. Made myself a new pair of snow pants today, out of white cotton drilling - the customary material. My khaki snow pants, made last spring, had completely given out. In some respects khaki is better than drilling for snow shirts and pants. Khaki is more impervious to snow and wind, but quickly wears through where the cloth is creased or folded. Formerly striped ticking was the fashion for over-clothes. Then white drilling came into ~~style~~, and now, out Point Barrow way, brown "Government khaki" is the vogue among the natives both for clothing and tents. New fashions are slow to be adopted, but when once an idea gets started it spreads like wildfire. Last fall the Mackenzie River people were anxious to get the so-called "Ikillik" dog harness (dogs tandem, between traces [Tsled] [illegible] dogs. The old conservatives

December 13 (Monday).

had long held to the superiority of the so-called "Massinka" harness (dogs hitched alternately with a single trace 

. The Massinka harness is good on very rough ice where each dog has to pick his own path, but, in general, a good deal of propulsive power is lost by dogs pulling out sideways. In Skillet harness all the dogs pull straight ahead, although a dog in the middle of the team has a better chance to "loaf" in the traces without being detected. If harness and collars are made of leather or skin, they must be watched very carefully, or the dogs will eat them. The latter applies to Massinka harness as well.

Men's fashions. Last winter, Mamayouk kept some "Seal of North Carolina" tobacco all winter, saying it was not very good smoking. Last spring, she went to Point Barrow with U.S.'s outfit, and found that the P. Barrow people just now will use no other kind than "S. of N.C." @ $2.00 per lb. Consequently, nothing else for her but "Seal of N.C."

New guns and ammunition seem to be decried in sight, a "new make" being a guarantee of superiority. Spy-glasses have to be purchased new every two or three years, as the belief is general that the

December 13 (Monday)

"seeing power" of a spy-glass becomes worn out by much use, the same as the rifling of a gun-barrel. Other ideas spread with greater or less rapidity. Mr. Stefansson says that when he first came among the MacKenzie River people three years ago, he saw little evidence of the missionary efforts of several years. Within the last two years, religion has spread along the coast so that practically every Eskimo from Point Barrow to Baillie Island prays, after a fashion, or at any rate, mumbles and amens. The new doctrines spread chiefly by verbal messages among the natives. For instance, the Cape Smythe traders last summer, brought a large stock of epistles from sermons heard during the year, verbally noted and rehearsed in detail to the Colville River people, and the people at the Flaxman Island rendezvous. Some of these people eventually pass the news along to Herschell Island, and so on — Bishop Stringer (former Herschell Island missionary) and Rev. C.E. Whittaker also "rehearsed" the Herschell Island and MacKenzie River people during the past summer.

December 14 (Tuesday) M.T. -26° -20° at 9.00 a.m. N.E. wind, fairly strong. Clear and cold. N.E. wind

December 14 (Tuesday).
mad house very cold, so I put in a few hours tearing down the rough, loose banking, and building a solid snow-block wall around two sides of house, about 18 inches outside of walls. The space between snow-wall and house was packed full of fresh, soft snow, well tramped down. This raised the temperature of house considerably. Billy went hunting over on Cape Parry mainland, saw tracks of three Caribou, apparently not more than two days old, going east. He followed same for some distance over rough, hilly ground, but saw nothing more before darkness compelled him to return. Broached a new sack of flour today — have used 50 lbs. since Dec. 3rd (some for dog-soup); also two 10-lb. sacks rolled oats. Diet has been principally bread, oatmeal, sugar and tea.

December 15 (Wednesday) M.T. -20° -6° at 12:00 M. -7° at 1:00 p.m. Cloudy, dark day. N.E. wind. Pikalo found open water near Little Booth Island, and saw Seals, but killed none. Billy killed two Seals in open water off east end of Booth Island, but his seal-line was too short, and they drifted out of reach. Billy lost coming home — struck mainland on east side of lagoon.

December 16 (Thursday) M.T. −7° +7° at 10^00 a.m. +8° at 12^00 M. Wind East. S.E. after 2^00 p.m. Cloudy warm day. Spent day making sheet iron stove (galvanized iron). Great inconvenience caused by lack of rivets, and we had to cut off nail heads with cold chisel. Some brass ship nails proved very satisfactory after we had annealed them in stove. Cooked flour and blubber soup for dogs. Dogs also ate some raw blubber warmed, although they refuse to touch cold blubber.

December 17 (Friday) M.T. +7. +12° at 12M. Wind N.E. strong. Snowing in early morning, and snow drifting thickly. Cleared up somewhat for a little while in forenoon, but snow fell heavily again in afternoon. Wind strong in NE. Finished stove today. Too thick weather for hunting today.

December 18 (Saturday). M.T. +5° +6° at 10^30 a.m. +4° at 1^30 p.m. Brisk N.W. wind. Light snow fall at intervals during forenoon, heavier in afternoon. Wind shifted more to NE in evening. Hauled sled load of wood from other side of lagoon. Made set of stove pipes.

December 19 (Sunday) M.T. -25° -20° at 10:00 a.m.
Sky partially clear. Brisk NE wind. Cold
Clouded up about 11:00 a.m. and snow began to fall
Snow fell all day, and wind increased to a gale
Warmer -10° at 12:00 M. Took in old tent and
all dog harness to melt off ice and dry them.
Unpacked several milk boxes, to inventory goods
stored therein. The dove-tailed Nailed kind are
top covered or bottom nailed are exceedingly
useful and convenient case for storing small
articles keeping them safe and dry. The 10 lb
milk tins are very useful also, tight fitting tops
easily removed, light enough to hold coal oil,
alcohol &c. and tight enough to hold powdered
articles, &c. &c. dry

December 20 (Monday) M.T. -5 Terminalia (tied
under snow) +10° at 10:00 a.m. +9° at 1 p.m. Cloudy
S.W. wind. Pikes caught 5 Whitefish 4 in trap
Moved about 2 miles S.W.

December 21 (Tuesday) M.T. -5. +10° at 10:00
Cloudy S.W. wind fairly strong. Billy started
hunting early yesterday morning, and returned
late in afternoon. He killed three Seal yesterday
Blew fresh and cold South West the wind

Pikes

December 21 (Tuesday)

shifted them into [illegible] are just out of reach
We sledded them for a long time by moonlight
hoping they would be carried near. When it
became too dark to see he went over to "Rorcott"
and stayed all night. This morning the [illegible]
ice road from land, but was too rough and he
could not find his Seals. One of the Kogmo-
lik at Ship Caught a large Polar Bear about
three days ago on a steel bear trap set on top of
island, baited with a Seal. Ships people has
caught 10 White Foxes since he was at ship last
time on Booth Island and one on Cape Parry
mainland. Billy brought me back a fine large
pair of deerskin mittens, half-elbow length, mad
with hair turned in, from Cornelius from J. Hill & Co
est. Snow blowing thickly - drifting; but
not warmer. Pitched up tent

Dog
Polar Bear.

December 22 (Wednesday) MT +5°
+18° at 10° a.m. S.W. wind, fairly strong keeps
snow falling all day. Made sled runners, three
headers drilling for fastenings. Billy cut
up some of his legs. One last lot, fairly heavy
steam drifting, [illegible] [illegible] [illegible] [illegible] [illegible]

December 22 (Wednesday)
A thick fog almost enough to beat the devil. Heavy drifting snow has obliterated all tracks. Observed partially to the south for the sun but it was too hazy. Partially overcast in the evening. Cracks in the wall leaving a draughty air space between boarding and snow banking.

December 23 (Thursday) MT -12° -4° at 10am Partially clear NW wind. Carried on repaired gear. Read part of "Narrative of the Second Arctic Expedition, made by Charles F. Hall: his voyage to Repulse Bay, Sledge Journey to the Straits of Fury and Hecla and to King Williams Land, and Residence among the Eskimo during the Years 1864-69." Edited under the orders of the Hon Secretary of the Navy, by Prof. J.E. Nourse U.S.N. U.S Naval Observatory, 1879. Trübner & Co., No. 57 and 59 Ludgate Hill, London. "Hall" p. 28. "He certainly shows marked strong resolution and courage to undertake this sledge journey from Ship Island (Q.?) to Repulse Bay. Captain Nares' R.N. judgment is that sailors should be called upon to undergo the fearful privations of an Arctic sledge journey during which he died in the early part of April (Narrative of a Voyage to the Polar Sea 1875-6)."

December 25 (Saturday)

It was the warmest Xmas, seeming like Spring to us. Intended to visit Pete & go up country with us. Pete denied the allegation and stated that Billy had been doing the talking to Fritz. Interpreter had been told that he was foolish to give his statement to the ship's Captain had plenty of document evidence that Mr. wanted more liquor, and that statement would be made, & grief would stop all this for he will get no more liquor. Capt Fritz was highly incensed, said he had supported K. and family for four months, and that he was indebted to the ship about £50. in addition, however, K. was to go if he wanted to. He told him that if Pete or Billy had made any such statement it was false without any knowledge or consent, and as for us, U.S. was concerned, he suppose the ship was on Bonaparte Land; and we had all the supplies we wanted, anyway. Fritz said he had never blamed S. or myself for the "lying" to us. Fritz said he had no hope of life in his body & wished Tony, Capt Fox &c. Said they might [illegible]

Seal

Fox

Skins - preparation

Frame for drying Fish

December 25 (Saturday).

Current "5 miles per hour" next month
in spring. Some years great masses of ice
6–7 feet thick, come out the Horse's mouth; and
other years, no ice comes out in spring.
He does not think it would be safe to haul a
sled across from Langton Bay in winter, and
not know the ice in spring; current too swift.
Mr Slate said he once picked up 8 or 10 lbs
good lignite on the beach after a storm
just back of Ship Ice House in Langton Bay;
used it for fuel in stove. No good water
to be found between Horton River and Langton
Bay in summer, all strongly impregnated with
alum, sulphur, etc. It boils over however.
Cliffs resting in places up the Horton River
no flames, but red hot coals visible; coal burns
fluorescent for a time, then bursting out afresh.

December 26 (Sunday) M.T. –30. –17° at 12 M.
Light NE wind at 7 a.m. Clear. Started home
at 10 a.m. Wind stronger after 1 p.m. and increased
all afternoon, drifting snow badly. Billy would
not hesitate in forenoon, but got rolling although
he saw fresh Rabbit (Hare) tracks. Camped after

December 27 (Monday) M.T. -17° +10° at 10 a.m. +8° at 12 M. +4° at 3 p.m. Partially cloudy sky. No wind in forenoon. Light S.E. breeze after 3 p.m. Dark "water-clouds" all along northern and northwestern horizon. Moved all our goods from outside cache into house today & starting for Langton Bay tomorrow.

December 28 (Tuesday) M.T. -10° +15° at 12:00 M. Very strong S.W. in morning. Snow falling and drifting. Snow packed over snow-house airaway full, so that we could not open door, and had to break out side of house. Storm seemed to increase all day. Pikalo sick today - dull headache, pain in bowels, in all bones - miserable generally. He complained of fatigue yesterday after working outdoors for about an hour. Today he is very badly affected with every symptom which I can think of, but, like most sick Eskimos, can not localize his ailment.

December 29 (Wednesday) M.T. -7° -7° at 12 M. Wind shifted to N.W. during night, and is blowing just as hard from that direction. Passageway nearly drifted full again from that side, and I spent about two hours digging the house out

December 29 (Wednesday).
and skirmishing a little wood in the snowstorm
Pikalo feels a little better than yesterday. He had
bad chills the night before, and last night I gave him
three 5 gr. Dover's Powders. He said he was sweating all
last night. He has little appetite for our present grub —
ie. oatmeal, milk, and bread — but Billy cut a few
scraps of seal meat which still adhered to the blubber
and skin of last Seal, and Pikalo ate the seal meat
with great relish.

December 30. (Thursday) M.T. -11° -6° at 3½ p.m.
Gale blowing from N.W. and drifting snow in
blinding quantities. Wind in gusts; occasional lulls.
Pikalo still sick; unable to get warm, although
wrapped in blankets by fire. House seems fairly warm
to Billy and I, i.e. not freezing, Except on floor.
Pikalo had nosebleeding several times today. He thinks
he ought to cut a hole in his scalp to let blood out,
but I advised against it. Gave him dose Sumnic
Sulphate tonight.

December 31 (Friday). M.T. -2° (Thermometer
hung in hallway. M.T. +12° in house. -8° outside
of house at 4³⁰ p.m. Gale from N.W. all day, snow
flying so thick and hard that it could be faced

December 31 (Friday)

for only a moment at a time. Entrance passage to house drifted full again last night. Today we built a seven-foot snow wall around outer entrance of passage way. Day somewhat cloudy, but clear overhead in evening. Stars shining brightly overhead at 3h 30m p.m., although everything near horizon was obscured by drifting snow. Aurora borealis brilliant at 3h 30m. Broad bands or streamers running up to zenith; most numerous in north. Pikalo still sick today; same as before. Chills, pain in bones, little appetite.

At 5h 00m p.m. Aurora formed a complete arch, from SE to NW, top of arch about 15° SW from zenith. Upper portion of arch formed a continuous horizontal band, but sides appeared to be parallel columns, moving regularly toward NW, growing pale and vanishing rapidly. Whole aspect very variable, changing every moment. No streamers radiating from north. Color pale, like moonlight. No noises heard.

1910.

January 1st (Saturday). Cape Parry, N.W.T. — In house near wreck of "S.S. Alexander." M. T. −25° −28° at 9:30 a.m. Clear, perfect calm from 5^30 a.m. (and before) until 9^0 a.m. Very light S.W. breeze after 9^0 a.m. Pikalo still sick; complains of pain in right breast, difficult breathing, slight cough. Billy started out about 5^0 a.m. to set some traps (about a dozen) again, as we shall be compelled to stay here until Pikalo gets better. Billy returned about 4^0 p.m. with head, neck, two shoulders, and "back sinew" meat of a ♀ Tawny Caribou (last summer's) which he had killed on the mainland, only a few miles away. Only one Caribou was seen, and no other tracks. Animal was difficult to approach, as it was cold, and snow crunched under foot. Tawny's horns about 8 inches long, still covered with velvet. Billy also brought in one Arctic Fox found in Pikalo's trap. Hauled a load of wood from sand spit; saw fresh Hare signs. Pikalo had refused to eat today, said oatmeal, meat, bread, tea, etc., all tasted tīpī (rotten), but when Billy brought in the deer meat, he brightened up, ate one slab of back meat frozen, and a pound or two of cooked meat later. Cloudy in afternoon and evening. Warmer. −28° at 3^0 p.m. Brisk SE wind after 6^0 p.m. Faint Aurora borealis.

Caribou
8 ♀

January 2 (Sunday). M.T. -23° 0° at 12 M.
Cloudy, dark. Fairly strong S.W. wind. Pikalo still breathing with difficulty, has sharp pain in right breast; no appetite for anything but deer meat and raw seal blubber. Ordinarily he does not eat fresh seal blubber. Wind shifted to N.E. late in evening.

January 3 (Monday). M.T. 0°F. +10°F. at 9 a.m.
Brisk N.E. wind. Cloudy. Pikalo feverish today, did not sleep last night; breathing wheezy. Good appetite for raw deer meat, suew and marrow, but nothing else. Hauled another load of wood from sandspit today. Found a sled load of fine wood under one small snow drift. Billy brought in remainder of deer meat. Caught three White Foxes in the three traps set around deer carcass. One boy clean (almost starved), one fair, one fat. One Fox had head missing, and body still warm; head probably eaten by wolf. Started to skin one Cage ♂ Fox, the only perfectly clean one we have caught so far, but Billy put in a claim for the skin, saying that his agreement was to have the good skins which he trapped, for himself. Fox ♂ L. 33½ T. 12½ H.F. 6¾.
Let Billy have skin to avoid trouble until I see V.S.

January 3 (Monday).
in regard to the terms of the trapping agreement.
Wind shifted to N.W. about 11.00 a.m. and blew strong all day. Cloudy until 6.00 p.m., afterwards clear, stars out; faint aurora borealis.

January 4 (Tuesday). M.T. -5° -3° at 10.00 a.m. +3° at 2.00 p.m. Cloudy. Wind N.W. in morning. Warm afternoon. Made some needed repairs on house. Tried to find a piece of hardwood on "Alexander", but found hatches nearly filled with snow. One month ago, we could walk about freely below decks.

January 5 (Wednesday). M.T. -15° -8° at 8.00 a.m., light S.E. wind. Clear. Orange-red glow on southern horizon at 8.00 a.m., and fairly light. Pikalo's condition same as for past three days; rasping cough, raises considerable phlegm; breathing difficult, like a horse with "heaves". Cloudy after 1.00 p.m. Billy caught one White Fox in trap near old deer cache (a good skin). He also found one hind leg of a Fox in another trap, but some animal had eaten all the rest of the body. Fox caught today was very fat, whole body covered with a layer of "blubber" ⅛ to ¼ in thick. Some Foxes are fat and some very poor now. We eat every fat Fox that we catch — very good meat, too.

January 6 (Thursday). M.T. -17°. -18° at 9ºº a.m. Light East wind. Very light mist or fog in the air. Clear from 10ºº to 2ºº p.m. Southern horizon very bright and rosy at noon — sun only a few degrees below the horizon. Billy caught one Fox today. I was kept busy making a new axe-handle (piece of oak from "Alexander"), cooking dog-soup (and dinner later), chopping day's supply of firewood, melting snow, and looking after sick man. Wind S.E. in evening; light snow.

January 7 (Friday). M.T. -12° +3° at 9ºº a.m. Wind still in S.E., slight fog. Considerable light snow fell during night. Dark blue "water-sky" all along N. and NW horizon. Wind shifted to NW about noon. Billy went to look after traps while I did camp work, — cooking, hauled sled load of wood, etc. Billy found five White Foxes in traps, (three near old deer cache). One trap was empty in the morning, and contained a Fox in the afternoon. He also shot an Arctic Hare with 45-70 on his way home from Rocky Ridge. He said the Hare would run a little way, then sit up on its haunches to look around, "all same Gitrit" [Marmot]. Hare in good condition; some fur on back and around tail.

January 7 (Friday).
Stinnet Arctic Hole. +37. ☽ L. 28m. T. 2m. Ht. 7½"
Pikalo seems to be a little worse today; has little cough, but complains of pains all over (not localized); voice rather weak, and unable to diagnose his case. He seems to have a grievance against me because I do not "dose" him. My medicine case has nothing which seems to fit the case. He wanted to know why I did not give him some "no sick medecine". It was some time before I could understand that he meant some panacea which would cure sickness in general. I told him I knew of no such remedy, but he insisted that whaling ships always had it. Then he wanted to know if that kind of medicine was "too much cost" for me to give to people. Altogether, a difficult case for me to treat, or help any.

January 8 (Saturday) M.T. -6°. -3° at 9ᵂ a.m. -3° at 2ᵂ p.m. Dark, cloudy day, but about four hours daylight (twilight). Nothing in traps today. Billy struck a recent "Nannuk" track and followed it for some distance eastward. Pikalo's condition about the same; no worse, slight improvement, it seems to

January 8 (Saturday).
no, but he says not. Persuaded him to take a hot football today. Almost no wind today; occasional breaths of wind from NW. Blue "water sky" to North and NW. Wind began to freshen from NW about 8:00 p.m.

January 9 (Sunday). M.T. -15°. -15° at 9:00 a.m. -17° at 12 M. Stiff NW wind, drifting snow. Cloudy. House very cold today. Ink bottle remains frozen solid within 3 feet of fire. Boiling the pot of dogsoup filled the house with steam and the walls and ceiling are covered with frost. Pikalo seems to be a little better today; ate a little meat and smoked a cigarette. The most alarming symptom, to his mind, has been that for several days tobacco smoke has not tasted good to him. He has nose-bleeding several times every day, much more than usual although his nose bleeds frequently, even when he is well.

January 10 (Monday). M.T. -25°. -25° at 8:00 a.m. -26° at 10:00 p.m. Sky nearly clear. Light NW. wind in morning, shifting to West in afternoon. Cold day.

January 10 (Monday). Very much under the weather today. Light headache and chills last night. Took Dover Powder. This morning racking headache, pains in neck, back, shoulders and right wrist; feverish. Took 2 "migraine tablets." Would have stayed in bed today, but Billy went hunting early, Pikolo is too feeble or inert to put wood on the fire, so I had to get up to do the chores, cook dogsoup, feed dogs, etc. Tried to split a little wood, but the jar hurt my head too much. Pikolo's bitch died last night. She has been ailing for some time, in fact, we could not use her on sled coming from Horton River. She was a "present" from a Baillie Island man, a living skeleton when he got her. I suppose by casting his bread upon the waters, the Baillie Island man was taking the chance of drawing down a deer skin or something valuable in return next spring. I have received a few "presents" myself, and if I fail to understand what is wanted, a hint is generally given to some of my people. Timeo Danaos dona ferentes.

January 11 (Tuesday). M.T. -28° -25° at 1 p.m. Dist S.W. wind, drifting snow. House terribly cold everything frozen as hard as a stone. My condition

January 11 (Tuesday).
about same as yesterday; slight headache, pain in joints, and severe chills at short intervals, shaking my body from head to foot. Little appetite, but stomach and bowels all right; urine very high colored. Pulse about the same. Billy stayed at home today, did the chores, chopped wood, etc. Lucky to have one effective member!
Bad chills in evening. Took 6 gr. Quin. Bisulp.

January 12 (Wednesday) M.T. -30° -30° at 12 M. Light S.W. wind. Sky quite clear and diffused with rosy arches up to zenith at noon. Southern horizon brilliant orange. Billy went to look at traps, saw one willow ptarmigan and killed same. A wolf had eaten up a fox in one of his traps. Very feverish during night and all day; racking headache behind eyes and at base of brain. Very sore in region of kidneys. Hated to get up today, but had to keep the fire going, and the soup cooking. Took 2 gr. Quin. Bisulp. in evening.

January 13 (Thursday) M.T. -31° -26° about noon. Light East wind. Burning fever and racking headache of past four days still keeps its hold;

January 13 (Thursday). No appetite. Sponged my burning torso in cold water this morning, and took a hot foot bath (in 3 gl. pail) in evening. Billy hauled load of wood from sandspit and saw tracks of wolf which had evidently reconnoitered camp last night. Took three Dover Powders on retiring at 6 p.m. and the fever was partially broken by midnight; profuse perspiration, the first for many days.

January 14 (Friday). M.T. -26° -18° about 11^oo a.m. Light SW wind wind; slightly foggy. Felt a little better today — fever about gone, and skin moist and normal. Mouth putrid. A little appetite. Ate a very little oatmeal and milk in morning (not very good). In afternoon ate a strip of raw frozen deer meat with great relish — the first palatable morsel since taken sick. Pitalo much better now, able to be up, keep fire going, has fair appetite, and is just beginning to have hopes of his ultimate recovery; still had racking cough however and had lost much flesh. Billy returned about 5^oo p.m. with two Foxes, and leg of another Fox which a wolf had stolen from trap. Said he saw

January 14 (Friday). two Ptarmigan today. Wind stronger toward evening. Passed a rather more comfortable night; Cattle fever; but with continuous tickling of bronchi and occasional deep spasms of coughing. Billy did not get his Foxes skinned, and one cooked, until nearly midnight; so the house was overheated, full of unpleasant rancid foxy smells, mingled with the fumes of Billy's and Pitalo's pipes and cigarettes. The smoke is very irritating to the lungs, and Pitalo, when at his worst could not stand very much smoking, but looked upon a proposition to quit smoking as something unheard of. I have quit smoking since my lungs got bad, but as most of the inhaled smoke comes from the other fellow's pipes, my condition has not been bettered much. However, I do not care for it now. No more tonight

January 15 (Saturday). M.T. -18°. -18° at 11 am. Brisk SW wind, snow drifting. Nearly clear day. Billy repaired banking around house, chopped wood & [illegible] of everybody little changed today.

January 16 (Sunday). M.T. -20°. -5° at 11 am. Nearly clear. Very light N.W. wind. Billy caught 1 Fox, and Wolf one. He saw Wolf but wind was too light for stalking

January 17 (Monday). M.T. -20° -6° at 12 m. Very light E wind. Brilliant parahelium a little above southern horizon. Still confined with racking, spasmodic coughing spells; heavy secretion of mucus in mouth and throat; urine scanty, brilliant saffron yellow

January 18 (Tuesday). M.T. -10° Wind NE in morning, blustery, fine. Snow. S.W. in evening Apparently colder. Billy caught no Fox, wolf took two from traps.

January 19 (Wednesday). Too sick and cold to get outdoors for thermometer readings, and Eskimos can not do it. Strong SW. wind. Cold all day. Wind moderated towards evening. Billy said he saw "half the sun" at noon today.

January 20 (Thursday). Could not get outside today. High SW wind all day; foggy. Wind lower in evening. Billy brought home one leg of Fox today. Wolf had stolen two Foxes from traps. This wolf seems to have the run of his line of Fox traps, and empties them regularly.

January 21 (Friday). Fine clear day. No wind. Mr. Stefánsson arrived about 3:00 p.m. from camp on Horton River, in company with Palaiyak and Tanan-mirk. They had killed few Caribou, although they were seen frequently, and the party up country were now very short of grub. Hunting had been difficult, every SE wind bringing dense fog, and SW wind a blizzard. Wolverines had committed depredations at almost every cache. One wolverine was killed in ice-house at Langton Bay.

January 22 (Saturday). Clear. Light East wind. Wind much stronger towards evening. Stefánsson tells me that they had been obliged to eat most of the nine Caribou specimens which had been saved for me. The wolverines had carried the dead wolverine from rack, and also eaten part of skin of Barren Ground Bear.

January 23 (Sunday). M.T. -26°. -23° at 10 a.m. Clear. Light NE wind. Billy and Palaiyak started for Horton River with sled load of grub - flour, tea, sugar, etc

January 23 (Sunday).
Sled, with boy and woman, came over from ship today after a Kayak frame. Stefánsson went back to ship with them. Tanaumirk stayed here with us. He is intending to stay with us for an indefinite period on consideration of being fitted out with deerskin clothes, etc.

January 24 (Monday). M.T. -26° -20° at 10 am. Brisk N.E. wind. Tanaumirk went to look at traps; caught one Fox, a small animal in poor condition. Wind stronger towards evening. Am feeling much better; very little cough; and fair appetite. Pikalo is very much improved.

January 25 (Tuesday). M.T. -21° -15° at 12 M. Slightly cloudy. Wind East. Sun up for about two hours. Tanaumirk hauled load of wood. Stefánsson returned from ship; brought some tinned sausages, and fruit, and a few books and magazines. Feel pretty well today; outdoors for some time; legs a little shaky.

January 26 (Wednesday). M.T. -15° -8° at 11 a.m. Light East wind. Cloudy. Tanaumirk caught

January 26 (Wednesday).
one Fox in traps; animal pretty fat. V.S. hunted over towards Cape Parry and saw Caribou tracks, perhaps a week old.

January 27 (Thursday). M.T. -15° -14° at 10^00 a.m. Cloudy. No wind in forenoon. Light East wind in afternoon and evening. Kutaktk and wife came over from ship with sled. We moved over with tent about 10 mi NE. to a little bay a few miles SW of Cape Parry headland. Plenty wood on beach. Left house 12^30 p.m. made Camp about 3^30 p.m. Four dogs had spells of fits today, lasting from 2 to 10 minutes. Dog would suddenly appear paralyzed, stretched out on side, chewing and frothing at mouth, and kicking legs for a little while; sometimes howling; then usually lying quite still, with glassy eyes, for a few minutes. Usually comes out suddenly, gets up, shakes himself, and is ready to travel on.

January 28 (Friday) M.T. -14° -8 at 10 a.m. -10 at 12 m. -7° at 3^00 p.m. Cloudy. V.S. went out on ice; rough pressure ridges of ice.

January 28 (Friday)
Thin young ice outside; no open water. No bear tracks. One Fox in trap near "Alexander."

January 29 (Saturday) M.T. -10° -2 at 9^00 a.m. East wind. -5 at 12 M. -5° at 3^00 p.m. Brisk East wind all day. Cloudy. Snow drifting. V.S. went out on ice; lead about ½ mi. wide. He killed one Seal, but did not get him; saw many fresh Bear tracks on young ice. Wind lowered in evening; clear; wind shifted to South about 8^00 p.m., light breeze.

P. Bear Seal

January 30 (Saturday) M.T. -22° -22° at 9^00 a.m. -23° at 12 M. Somewhat cloudy. Strong SW wind all day, drifting snow thickly. Weather too cold and disagreeable for anyone to go out of camp. None of the dogs have had fits since Thursday, although Okinerk is still sick, apparently.

January 31 (Monday) M.T. -25° -25° at 9^00 a.m. -26° at 12 M. -27° at 2^00 p.m. Partly Cloudy all day, clear evening. Strong SW wind all day, stronger towards evening. Wind worse than yesterday

January 31 (Monday).
Tavaunuk looked at four traps. Foxes had been around all traps, but snow had drifted too deeply over traps to catch anything. Day very disagreeable, cold, with thickly drifting snow everywhere close to ground — wind perhaps 25 mi. per hour.

February 1. (Tuesday). M.T. -27° -26° at 12 M. Somewhat cloudy. Strong SW wind, ~~stronger than past two days~~. Nobody able to move outside of camp.

February 2 (Wednesday). M.T. -35° -33° at 12 M. (in sunshine) -34° at 3 pm. Clear. Wind moderated during night, but fairly brisk from SW all day; snow drifting very little. U.S. went out towards Cape Parry, but found no open water. Tavaunuk went to "Alexander" house for blubber, grub, etc. Lost two dogs enroute. One refused to travel, and he left it behind, thinking it would follow or go home, but dogs never showed up at camp. Stayed in camp all day; cooked dog-soup and chopped wood. Nothing in Pitalo's traps; snow blown off some of them.

February 3 (Thursday). M.T. -42° -39° at 11 a.m. -43° at 1 p.m. -45° at 3 p.m. Clear. Light SW wind in forenoon, shifting to S. about 2 p.m. and later to SE. Afternoon wind very light. Nothing in traps. Stefansson and Tavaumiut went to ship to have sleeping bag and boots, etc. repaired. Dogs lost yesterday failed to come home today.

February 4 (Friday) M.T. -46°. -35° at 8 a.m. -33 at 12 M. -33 at 2 p.m. Light wind SSE., shifting a little more to SE in afternoon. Pitelo looked at his now six traps and two of ours, but found nothing. Sky clear all day, and sun shining brightly for four or five hours; little apparent warmth, however.

February 5 (Saturday). M.T. -37°. -33° at 9 a.m. -28° at 2 p.m. Clear. Fairly strong East wind, drifting snow along ground; wind stronger towards evening. V.S. and Tavaumiut returned from ship in afternoon. People at ship catching some foxes; no bear or seal. Capt. Fritz caught a Blue Fox yesterday.

Blue Fox

February 6 (Sunday). M.T. -30° -20 at 9 a.m. -21 at 3 p.m. Cloudy. Light East wind. Tanaumirk went across to "Alexander" house to look for two dogs lost Feb. 2nd, but found no traces of them. Pitalo caught one fox today, frozen stiff in trap. He also saw five Ptarmigan, and shot one (Willow Ptarmigan). One of Pitalo's dogs has been sick for some time, refused to eat, frequent fits, etc. Took him into tent today, where he had a fit every few minutes; hind quarters appeared paralyzed and he was unable to stand up today. In the evening I killed him, at P's request. Eskimos seem very unwilling to shoot a dog even when he is incurably sick or injured, preferring to abandon the animal or let him die of freezing, starvation, etc. For example Pitalo had a decrepit and crippled bitch presented to him at Baillie Island. She was entirely useless and I strongly advised him to shoot her. He admitted that the animal was worthless, but said she would die anyway within a few days after we took the trail from Cape Parry. The animal was allowed to live until she died (or froze) Jan. 10th, at which P. evinced evident satisfaction

February 7 (Monday). M.T. -21. -14 at 10 a.m. -17 at 4:00 p.m. Cloudy. Light NE wind in morning, growing stronger all day. Moved camp about 2 miles to a sandspit near the point, close to the sea ice. Crossed low series of stony ridges in coming over, a much shorter route than following the bay around. About half a mile from old camp saw a Caribou running E. along hillside about ¾ mi. away. Tananmirk had gone ahead and come quite near deer, but apparently without seeing it, until the deer had run some distance. T. followed deer and succeeded in killing it, a full-grown female. (Pikalo had pronounced animal to be a fawn, after looking through telescope.) Stefánsson saw deer tracks ca. ½ of two days old on edge of ice further East. The land is almost entirely barren here, not even moss on the stone covered ridges, so probably the deer do not stop here long. V.S. saw fresh hare tracks (to-day's) and Tananmirk saw some animal - moving toward island about dark. V.S. shot a Arctic Fox. #372.

February 8 (Tuesday). M.T. -24. -22 at 8 am. -23 at 3 p.m. Brisk East wind, driving snow along ground. T. brought in Caribou meat shot yesterday. Skinned Fox killed yesterday, Extremely poor and skinny. Head of Fox went into dog soup pot by mistake, but it was only slightly discolored by hot water. Caribou killed yesterday had a perfectly formed, hairless embryo in utero, about as large as a good sized Rat.

February 9 (Wednesday). M.T. -25. -21 at 8 am. -20 at 10 am. -16 at 2 p.m. Cloudy. East wind about as strong as yesterday. Small sheets of dark clouds indicate some open water far out to NW. Pitalo found that a bear or wolf had taken a fox from one of his traps

February 10 (Thursday). M.T. -24° -22° at 9 a.m. -19° at 12 M. Partially cloudy. Very light wind from NNE. Tanahmirk caught two Foxes today, Pitalo none. T. moved traps from land today and set them out on the ice "Jambo" and "Britton" both caught in traps set where Caribou was killed. Heard them howling afar off, and rescued them before toes were frozen. Both dogs limped badly on way home.

February 11. (Friday). M.T. -22° -15° at 8 a.m. -15° at 10 a.m. -25° at 4:30 p.m. Cloudy with a little snow falling in early morning. Light snowfall during night. Sun visible from 10:30 to 3 p.m., after that obscured by clouds. Light East wind in forenoon, freshening quite a bit from 1 to 2 p.m. After 2 p.m. calm. Went with Tananuiit to "Alexander" for necessary supplies. Trip both from 10 a.m. to 5:30 p.m. Stayed about 45 min. at house. Fresh fox tracks on top of house; otherwise no signs of life.

February 12. (Saturday). M.T. -30. -26° at 10 a.m. Clear. Light west wind. -30° at 4 p.m. Wind a trifle stronger towards evening. Pikalo caught one Fox today. U.S. went hunting several miles Eastward, and saw numerous Bear tracks, five together. He also saw one badly frightened Bear running away, about half a mile distant. He says the Bear kept running as long as he could see him with field-glasses. Two Seals were seen in water 7 long tide crack about three feet wide. Pikalo saw two Ptarmigan, but they were very wild, and flew away before he was very close. Very stiff and sore today after 30-mile trip yesterday — "out of training" just now.

February 13 (Sunday). M.T. −33°. −32° at 8^00 a.m. Clear, bright sunshine. Light west wind, stronger after 10 a.m. −30° (in sun) at 10^00 a.m. −33° at 4^00 p.m. Too cold for hunting today.

February 14 (Monday). M.T. −33°. −26° at 10 a.m. −27° at 2^00 p.m. Brisk West wind, snow drifting along ground. Sky partially clear in morning, cloudy in afternoon. Nothing in Pikalo's traps. Weather too disagreeable for moving camp.

February 15 (Tuesday) M.T. −28. −20° at 10^00 a.m. West wind about same as yesterday, but more variable, stronger in forenoon, lighter in afternoon. Somewhat cloudy. Clear evening. −16° at 12 M. −14° at 1 p.m. (in sun). −16 at 3 p.m. Pikalo found a White Fox dead in snow (starved?) Tanadluk found two Foxes in traps on island.

February 16 (Wednesday). M.T. −24°. −20 at 8 a.m. −17 at 10^00 a.m. −14° at 12 M. Cloudy. Wind very light (from West) in early morning, a little stronger towards noon. As no signs of open water were seen to eastward yesterday, did not move today.

February 16 (Wednesday)

When I crawled out of the tent about 7[h] a.m. saw a White Fox on ground within 10 yards of rack and within 20 yds. of tent. Six dogs were lying around outside the tent but had not noticed the Fox. When I came out, the Fox ran to the crest of the sandspit about 30 yards away, and stopped for a minute facing me. Before I could get a rifle out the Fox was about 150 yds. away, running along steadily in with the peculiar Fox attitude, head half turned to look behind, stopping once at about 200 yds. but only for an instant. Tanannuk went over to islands eastward, but found no open water. He saw three fresh Bear tracks. Rolling in Fox traps.

February 17. (Thursday). M.T. -20°. -18° at 8[h] a.m. Clear in East, cloudy in west. Brisk West wind, snow drifting along ground. -12 at 10[h] a.m. -13° at 1[h] p.m. Started about 1[h] p.m. with Mr. Stefansson for Sch. "Rosie H.," reaching same about 4[h] p.m., facing strong headwind all the way. Did not feel cold until reaching Booth Island. Had nose and cheeks slightly just before reaching ship. Snow flurry for a short

February 17 (Thursday)

time while we were in middle of bay, so that we could not see land. Ship people had caught 32 Foxes since U.S. was there two weeks ago. Capt. W. has "Old John" about 20, "foc'sl men" 22 "Jim Fuji" about 20, and a few "scattering". Three Blue Foxes have been taken; two skins mottled gray with ends of hairs washed with brownish; the other "best" skin was dark brown, almost black with scanty traces of bluish color. No open water and no Seal taken for some time.

Steward of ship caught one dog "Iwana" with harness in trap six days ago, uninjured, but dog Billy had taken "Iwana" south on Jan. 23rd. One of the men had seen one of our lost dogs dead, near "Alexander" house about a week ago.

Clear, and colder in evening.

February 18 (Friday) Clear. Strong west wind, snow drifting. Much colder than yesterday. Remained on board ship all day, having new soles put on my mits and U.S.'s boots. Three foxes caught by Kutakoff today in traps set on ice. One Fox was thickly infested with small black lice. Three lousy Foxes have been taken here before this winter.

February 19 (Saturday). M.T. −32° (since 17th midn. 1 p.m). −27° at 4 p.m. Clear day, apparently a little warmer than yesterday. Wind NW, about same strength as yesterday. Two foxes caught by Kidaliok today. Started home at 1 p.m. reaching camp at 4 p.m. running most of way with strong wind behind. Pikalo caught two foxes today, Tanannuk none.

February 20 (Sunday). M.T. −35°. −27° at 10 a.m. −30° at 5 p.m. Brisk west wind. Moved camp about twelve miles east to a little bay on mainland south of islands. Some fairly good wood and sandspit, the only wood seen between here and our old camp. Wind stronger in afternoon, drifting snow thickly, and making horizon hazy. Pikalo's dog "Peter" had a succession of fits in morning, ran about camp as if distracted, and at last ran straight out on ice about ½ mi. Pikalo went to look after him, but left the dog for dead. Sky overcast in evening.

February 21. (Monday). M.T. −31°. −26° at 10 a.m. −25° at 12 M. −24° at 3 p.m. Brisk E. wind

February 21 (Monday)
Sky alternately clear and partially overcast. Nothing in traps today. During most of day, the snow was drifting too thickly to see far along ground or ice.

February 22 (Tuesday) M.T. -29°. -29° at 8am. -29° at 12M. -26° at 4pm. Very light SW. wind all day; almost calm in evening. Clear, bright sunshine all day. Day felt warm, after the long spell of hard winds. Banks Land (Nelson Head, etc) visible from top of 100ft. hill back of camp. To naked eye appeared as a dark band on horizon, but glasses showed highlands, with alternating black and white patches — ravines, etc. V.S. hunted some distance to SE. and was able to see Cape Lyon (across Darnley Bay), as well as Banks Land. He saw fresh tracks of one Bear and old tracks of another. Pikes and Tanannuer found nothing in traps today. Moon about full tonight, dimming the Aurora Borealis, which shows faint arches across the sky.

February 23 (Wednesday). M.T. -34°

February 23 (Wednesday)

M.T. -34° -29° at 9^00 a.m. -29° at 1^00 p.m.

Clear. Light West wind, stronger after 6^00 p.m.

Hunted some distance to eastward, and saw one fresh and one rather old Bear track. Then crossed to large rocky island about 2 mi. off shore. Perpendicular cliffs on seaward side of island, sloping to landward side. Some wood on a little sand spit. One very large Bear track and a few fox tracks on island (all old). A little way from north side of island rises a solitary tall chimney-like rock pillar about 50+ ft high. Rough ice for 200-300 yds. off island, then 3-4 miles smooth, young ice. High ice masses 3-4 miles off shore from island. Banks Land and Cape Lyon not visible today, owing to fog or steam or ice off shore. Tanannirk caught one White Fox and one Blue Fox in traps set on ice near) "Torso" island, (small island with arched passage through base).

Blue Fox

* 373 ♂ Blue Fox. L. 32 5/8. T. 11, Hf. 6½. a rather light colored specimen, lighter than any of the three taken by ship at South Island. Back light slaty gray, fading posteriorly; tail nearly white above, darker below. Head dark slaty blue

February 23 (Wednesday).

Under parts darker, washed with dull brownish. Feet, with whitish hair on soles. Iris dark brown. Flesh of Blue Fox fairly good, but had a slight "fishy" flavor; inferior to White Fox.

Blue Fox = Kai-a-nŭ-rak'-tok (Pitaloo - Alaska)
" " = Ig-ra'-lik (Tanaumiut - Kittigaryuit)

February 24 (Thursday). M.T. -30°. -24° at 9ºº a.m. -20° at 12 m. -16° at 2ºº p.m. Strong West wind all day. Light snowfall during night, continuing during whole day. Thick snow drifting made hunting impossible. Sky cleared up a little in evening.

February 25 (Friday). M.T. -22. -21 at 9ºº a.m. Cloudy. Strong West wind. No snow falling, but snow drifting thickly along ground. -16° at 10ºº a.m. -13° at 1ºº p.m. Light snowfall again in afternoon; wind moderated a little after noon. Pikaloo caught two White Foxes today.

February 26 (Saturday) M.T. -35° -33° at 8 am -33° at 10ºº a.m. -38° at 6ºº p.m. Very light West wind all day. Clear. About nine hours sunshine. Moved camp from Cape Parry island to house at wreck of Alexander.

February 26 (Saturday)
On trail from 10:00 a.m. to 4:15 p.m. Although there was very little wind, frost cheeks and chin repeatedly. Three Willow Ptarmigan alighted on sandspit about 75 yds away while we were beating camp, but the dogs chased them away at once. Two other Ptarmigan (Sp.?) flew over sled while we were crossing bay. Tananmiak caught one Fox today, and saw many fresh Bear tracks near the islands while taking in his traps. Aurora arch 30° high, from NW to SW.

February 27 (Sunday) M.T. -44° -36° at 10:00 a.m. -30° at 12M (in sun). Very faint East wind (the first break in West winds in 15 days). Hauled 2 loads of wood from sandspit. Pitalo saw fox, but too far away to shoot; one of P's traps lost, buried under snow. "Old John" sighted our smoke from Booth Island and came across to investigate. Stefánsson accompanied him back to ship, to get another axe for trip to Langton Bay. Melting ice off tent is housed today — 25 to 30 lbs of ice and snow accumulated on tentage. Clear sky all day. -35° at 4:00 p.m. East wind stronger after sunset.

February 28 (Monday) M.T. -38° -26° at 11:00 a.m.

February 28 (Monday).
Light East wind all day. Clear sky. The boy Mungalina came across from "Rosie H." bringing an axe with him. Repaired tent and stove today; also clothing. Wind freshened up a little, towards evening.

March 1 (Tuesday). M.T. −35°. −30° at 8ᵐ a.m. −18° at 5:00 p.m. Foggy in morning, and light snow falling from 8:30 a.m. all day. Light N.E. wind increasing in strength towards evening. Started for Langton Bay at 8ᵐ a.m. with Pitalo, sled and five dogs, Jumbo, Britton, Lindy, Joan, and Roger. Britton appears to be "molly colly", a sort of madness, biting and snapping at other dogs at every opportunity. On trail 8:00 a.m. to 4:30 p.m. Camped on sandspit, south side ~~Stallwood~~ Bay; plenty good wood. So foggy all day that we could not see more than half a mile; four hours out of eight of land crossing from north side of bay to Camping place. Britton much worse in evening, attacking all other dogs. Attempted to make him fast with stick of wood attached to collar, and other end attached to log (having no chain), but he soon managed to chew off the stick.

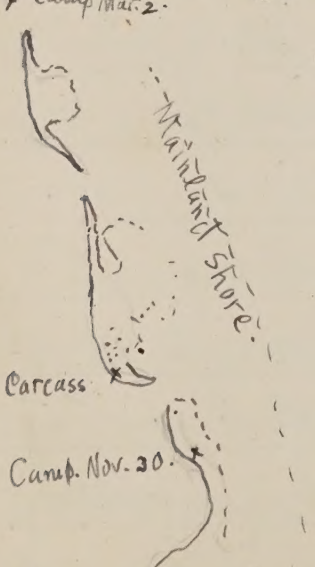
March 2 (Wednesday). M.T. -35°. -34° at 10 a.m. -28° at 4 p.m.
Foggy. Light N. East wind, much moderated during the night. Did not sleep well last night; dogs continually growling and fighting. Several times they nearly tore the tent down. Towards morning I woke up and found Britton inside, licking my face. He remained quiet for about an hour, then was put outside. He tried repeatedly to force his way back, grasping and tearing tent cloth in his teeth, and snapping at stick of wood when touched or threatened with it; continually fighting while we broke camp.
Minimum thermometer tipped over and broken by dogs last night. Slightly warmer than yesterday. On trail 8:30 a.m. to 3:30 p.m. — Foggy all day, more clear in morning, so that we could often not see more than a mile or two. Found that our course yesterday had brought us into the bottom of ~~Sidmouth~~ Sidwood Bay, so that we had to travel NW for about three hours before shifting our course again. Rough ice at southern entrance of bay. Smooth sledding for several miles S.W. to outside of large, long island, terminating in a long sandspit at S. end. Much driftwood all along island. Passed on east side of first, smaller, more northern island. Clear after 7 p.m. and stars out. Almost calm after 5 p.m.

March 2 (Wednesday).
Britton pulled well today; often snatching up a mouthful of snow. He was quiet for an hour after halting; occasionally belching up a small quantity of pinkish colored water, and licking it up from the snow. Soon he began to rave and attack the other dogs; not often biting them, as his widely opened jaws seemed fixed most of the time when fighting. He would snarl & moan continuously. Fastened him to log with sled and ropes, but he dragged log up to tent. Then fastened other end of log to rear of sled. This held him until 4.30 a.m. (Thursday) when he dragged log up to the tent, and attacked it viciously, tearing the cloth badly around the door. Sled cover was torn to shreds, and contents of sled scattered on ground. Britton never made any attempt to bite me, always bowed his head docilely when I fixed ropes about his neck. Pikalo has been afraid to get nearer than the end of a pole to him, and hesitates to go out of the tent when dog is raging outside. &

March 3 (Thursday). -34° -39° 10 a.m. -25 4½ p.m.
Clear morning. Calm. Colder than yesterday. Light SW wind in morning, shifting a little more westerly in afternoon. Foggy after 9° a.m., thicker toward eve.

Bright Corona around sun from 10 to 11 a.m. lower quarter segment incomplete. Parhelia in circle at sides and top (three in all).

March 3 (Thursday. Found that Britton had chewed up harness in two places, and were delayed about an hour making repairs. Started 8:30 a.m., southward. Crossed smooth sea ice for about 3-4 miles, then reached an island several miles long, with short sandspit on north end and another island with very long sandspit on south end. Reached Capt. Wolki's deadfall trap, marking piece of whale carcass, at 1:00 p.m. Snow over carcass much burrowed by foxes. Cut two large slabs of blubber, very dry and stringy, but eaten with avidity by dogs. Pikalo set four traps here. Much wood along sandspit. Passed old tent site on inner side of spit at 2 m (U.S.'s a Billy's). Many fox tracks here and a few fresh Ptarmigan tracks. Mountains on west side of Franklin Bay visible for a short time about noon. From carcass near end of sandspit we struck south (no land in sight). In about ½ hr. passed outside of our old camp of Nov. 30th, and at 4:30 p.m. reached Capt. Wolki's December camp at the cod-fishing place.



Ruins of Capt. Wolki's square snow house, and Billy's (?) round tent wall seen. Rock about ½ mi. SE on ice. Little wood here now (Langton Bay house ca. 10 mi. SW.).

March 3 (Thursday).

"Britton" was much weaker today, walked along quietly in harness until about 3 pm. His lips were much swollen and bloody this morning, and the sleet which held him was covered with bloody froth. His nose was also frozen stiff, i.e. the bare exposed portion. In the afternoon he fell down several times. Sometimes he would get up alone, and at other times when lifted up, he would walk along in a dazed manner. Finally I took him out of harness and moved ahead a little way. As the dog remained where I had left him, I was obliged to go back and shoot him. We have four dogs left now - Roger, Lindy, Jumbo and Ivan. Ivan fell down in a spasmodic fit yesterday, but was up again in a minute or two, apparently as well as ever. This is the first time I have known him to have a fit

M.T. -29° -29° at 10 a.m. -21° at 2 pm. -20° at 4 p.m.

March 4 (Friday). ~~-30° -25° at 10 a.m. -28° at 4 p.m.~~ -30° at 4 p.m.

Dark foggy morning. Light snow falling at intervals. Warmer than yesterday. Wind fairly strong W S W. Pikalo shot a ♀ White Fox on ice while going over to the fishing place. He thought the fox was crazy, as it stood stupidly while he fired three shots at it. Went over to rack, and found ruins of two old wooden

March 4 (Friday).

houses, but no signs of fishing. Spent some hours searching for a likely fishing place, but found none. Snow falling quite thickly in afternoon, and wind strong; comparatively warm day. Fog and snow so thick most of the time that objects could not be seen more than half a mile. Hauled a little wood from old rack; previous campers had used up most of wood at our camping place.

March 5 (Saturday). Mt. -30° -25 at 10 a.m. -28 at 2 p.m. -30 at 4 p.m. Light West wind. Slightly foggy, but islands, &c. discernible at some distance. Mountains not visible. Sun rising about 6:30 a.m. Rather warm. Or thaw 9° a.m. Clear most of day, mountains in plain view. Slight fog towards evening. Calm about 6 p.m. Wind shifted, coming from due East (by Polaris). Passed several small low islands, delaying somewhat for Pikalo to set some Fox traps. Reached Langton Bay house 2:45 p.m. Some one had been here, leaving a small improvised 5 ft. toboggan, and a snowhouse. Probably Ikaviuk or some of our people from mountains. Went over to ice-house to get meat while Pikalo put up tent. Found a White Fox between inner and outer doors, and killed it with handle of snow-knife. It had dug a hole

March 5 (Saturday).

down through the snow and entered through the round hole which a wolverine had gnawed through the door. It had evidently tried hard to get out, as the snow walls of entrance-way were seamed with claw scratches on all sides up to 4-5 ft. from ground.
374 ♂ Arctic Fox. L. 34" T. 10 3/4" H.F. 6 3/4"

The only things left in ice house were one Brown Bear's skin, one Ugruk skin, and one shoulder of Brown Bear meat (with fat all cut away). Took the Bear-meat. Gave dogs a little meat, the first meat they have had for a long time.

Wind shifted to S.W. about 11 p.m.

March 6. (Sunday). M.T. -45° -39° at 8th a.m. -38 at 10 a.m. -38 at 2 p.m. -38 at 4 p.m.
Clear. Strong S.W. wind, blowing snow in great volumes. Got out the required articles from house, and started for Cape Parry at 10th a.m. Reached headland across bay N.E. at 11th a.m. and noticed a perceptible diminution of strength of wind, while behind us the air was still full of flying snow, and the whitish snow-fog hung over Langton Bay until we were out of sight. Langton Bay appears to have little local storms, the little pocket catching all the wind that blows off the mountains South and West.

March 6 (Sunday).

Passed "fishing-place" camp at 2:30 p.m. and Rod's old camp at 3:30 p.m. and made camp at whale carcass at 4:30 p.m. Wind much lighter in afternoon, and shifted to East about 6:00 p.m. Pikalo caught nothing in three traps set along the trail, or in four at carcass; all traps taken up. Only small fragments of carcass here; slabs of blubber (much weathered), none over 2½ ft. square. Plenty of good wood on this sandspit

March 7 (Monday). M.T. -49°. -38 at 8:00 a.m. -36 at 10 a.m. -40° at 8:30 p.m.

Clear all day. Very light SW wind in morning, just a breath of air stirring in afternoon; Calm at 6:00 p.m. East wind sprung up about 9:00 p.m. and blew quite strongly about 11:00 p.m. On trail 8:30-4:30. Pikalo left me in morning, to investigate smoke on Eastern horizon. Traveled alone all day, pulling on rope ahead of dogs. Some difficulty at times starting sled, as dogs would not pull when I was behind. Overturned once, and broke off 3-4 dead willows which were projecting to the side. Intended to make camp at sandspit (Mar. 2nd camp), but passed it, and camped a little SE of high point with rock pinnacle just off shore. Camped 4:30 p.m. Pikalo came into camp about 9:00 p.m. with Palangull

March 7 (Monday).

Said the two fresh sled tracks which we saw today were Ilavmiuts (with Kamagouk, Noashat, Panniqabluk and Piktotanna (Jimmy's boy), and Okak (Esq. from Baillie Island. Billy at fishing place, catching plenty of tom-cod. P. said B. caught about 80 in three hours. Pikadlo brought along a pack of tom cod with him — all little fellows. Said Jimmy caught Nesbal, 9 fish, in one day. Palaigut said that the dog Ivan, which was caught in a trap, half-starved, on Booth Island Feb. 11th, had been taken sick when one day up in the mountains south of Langton Bay, and Billy, according to native custom, had turned him adrift, as being of no use.

March 8 (Tuesday). M.T. -44° -40 at 8 a.m. -38 at 10 a.m. Foggy, dark morning. Islands not visible from shore. Cleared up about 11 a.m. and fairly clear for remainder of day. Very light SW wind. Slept late this morning, having been up until midnight. Took 2½ hrs. to get breakfast and start off. On trail 9:30 a.m. to 4:00 p.m. Made a new trail across mainland, avoiding heavy ice travel around "Root Point." Ascended gentle slope, in little depression (or bay) about ½ mi. SE of point, and SE of

March 8 (Tuesday)
northernmost of chain of islands running north from Langton Bay. Easy sledding over gentle slopes, with hard-crusted snow. Several foxtracks on hill-top, as well as on sea-ice. Started to cross Sallwood (?) Croscroft Bay 12 M. - reached other side at 2:30 (at long Stony Point. Could not see across bay on account of mist, but headed due north, striking edge of heavy ice-pack about ½ mi. E. of point. Crossed neck bay and camped in a little bight, with sandspit. Plenty of good driftwood. Remains of our camp (this winter's) here. Cold in morning. Brilliant Aurora Borealis, mostly in south (or rather, extending from east to west.

March 9 (Wednesday). M.T. -47° -44° at 8° a.m. -31° at 11 a.m. -20° (in sun) at 3 p.m.
Clear, bright morning. Cold. Light SW. wind. On trail 8:30 a.m. Made short, easy portage across land, avoiding rough ice at point with large rock mass off shore (small island NE). Soon sighted "Alexander"; crossed two sandspits and reached same at 10:30 a.m. Found that Kiviuk had just gone south with two sleds (nine dogs). He had bought one dog from Kutalak, and four sacks of flour for himself for "Jimmy." (1 sack = 3 foxskins, 1 sack = 3 deerskins; 2 sacks = 1 wolverine skin). A few deer

March 9 (Wednesday).
Had been killed by them at Horton River camp, but the people were pretty hungry before "Billy" reached their camp with supplies. They had to eat most of the deerskins and the sinew which had been saved for sewing thread. Stavinuk killed another Wolverine in the Langton Bay ice house. It had eaten most of the meat. Four White Foxes and one Arctic Hare had been killed last week by V.S. and Tanannuk. Hare was very fat, both inside and outside. Pikalo and Panningablak decided to remain for a while at "Alexander" house. Stefansson and I packed up sled and started with five dogs on Stavinuk trail at 3 p.m. Took inside passage along narrow fjord running about 5 mi. SE from "Alex"; then across a short portage, and along another fjord about 4 mi. SW, reaching Stavinuk camp on north side of Stillwood Bay at 6 p.m. Made camp with "igloo" snow wall about 5 ft. high, roofed with canvas. Very cold night. Ideal traveling weather during day — air crisp and exhilarating, and sun giving a little warmth. Plenty of wood on little sandspit on south west side of big fjord. Very light NE wind in afternoon

Oraviť = cod
Pl – oravit.

Orak = tomcod
Okat = pl. tomcod

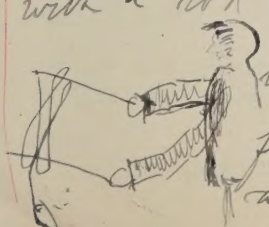
March 10 (Thursday). –45° –32° at 8:30 a.m. –36° at 6 p.m.
Clear all day. Light NE wind, a little variable in morning. Made a South-Easterly course across Sellwood Bay, starting at 9 a.m. Crossed mainland behind Rock Island point, avoiding heavy icepad (trail of Mar. 8th), then headed for north end of second large island from north, passing outside and catching the old "sled-road" (Hammitt's and my own). Think that trail to Langton Bay would be considerably shortened by passing east of north end of this island, and crossing low land to big lagoon, heading about due south. Camped at 4:30 p.m. along side of long sandspit.

March 11 (Friday) M.T. –45° –30° at 9 a.m.
Clear all day. Very light N.E. wind. Cloudy and foggy after dark. On trail at 10 a.m. and reached fishing place (Okat) about 4 p.m., going a somewhat roundabout course the last four or five miles. Fishing place is in a large lake, or rather, salt-water lagoon. The only fish caught are a species of tomcod, none over 15" long, and a very few small cod-fish(?), the latter about the same length as tomcod, but about twice as heavy, with better, finer flesh. Today three or four

Okat Tomcod

March 11 (Friday).
people caught nearly a sled-load of fish in half a day's fishing. Female fish (both species) are big with roe, about two tablespoonfuls to each fish, and male fish full of milt. Tomcod have a slightly sweetish taste when boiled. Five people here when we came — Jimmy and his wife Sinnektiatt and boy David, Billy (Netkushiat), Kinasilet, and Palaijuk; and our own party consisted of eight more — thirteen people and eighteen dogs. We need almost a sled load of fish per day.

March 12 (Saturday) Mt. — 33 Light NE wind —23° at 9 a.m. —10° at 1 p.m. (in sun). —23° at 2 p.m. (in shade). —27° at 3 p.m. Quite thick fog in morning, and slightly foggy during most of day, although I am shore quite warm about noon. Fished all morning, but caught only one small cod and five tom cod. Kavnirk and Palaijuk Tanguminik did not have much better luck. Billy and Jimmy caught almost a sled load, hauling up a fish every minute or two. They fish with a rod about two feet long, and a short stick in left hand to reel up line when a fish is hooked. Ice about 4½ — 5 ft. thick, and about four fathoms of water



March 12 (Saturday)

Female fish appear to be spawning here now, as they are bloated up with roe, and often when jerked out of water onto the ice the roe oozes out. The stomachs of many (a most) of the fish caught are filled with the roe; very small yellow eggs. The hooks used are rather large bone hooks with three prongs (barbless), with a little piece of red flannel tied above the hook. Sinker about the weight of .45-70 bullet. The ordinary three barbed spoon-hook, tipped with red and white feathers, and used either with or without the spoon, are as good, or better than the native "nuxey" hook. The only difficulty is that the barbed hook is often difficult to disengage - a "cold finger job" at -30° Fahrenheit. With the unbarbed hook the fish is thrown out on the ice and a few twitches on the line frees the hook. Many fish are lost, however, before they can be hauled up. In December Capt. Wolki's people caught the most with an ordinary shaped nuxey made of brass, about 1½ inches long, unbarbed. He thought that he could have caught more fish with a barbed hook, however. U.S. saw 4-5 Ptarmigan and Palaiyuk also saw some.

March 13 (Sunday) M.T. -32° -14° at 9 a.m. (min. Clear. Light SW wind -2° at 12 M (min. -1° at 5 p.m. Cloudy in afternoon. Very few fish caught today. There has been some doubt recently among our natives, as to whether they wanted to stick to the party for another year, or to make any attempt to get Eastward this spring towards the Coppermine. The hardships of last winter probably had a great deal to do with their dissatisfaction when Ilavinirk came to Cape Parry last week he had fully decided to go back to the Mackenzie River at once with Memokanna ("Jimmy"), but when Stefansson cheerfully told him to go ahead, he crawfished, and decided to stay. Billy (Nel Kushiak) was willing to go anywhere. After much discussion of several plans, the one with apparently fewest objectionable features was decided upon as follows:

As Jimmy is going to start back tomorrow for Kittigaryuit, via Baillie Island, I am going with him to look after our whaleboat and other property at Tuktuyaktok this spring. This will obviate the necessity of my taking a

March 13 (Sunday).

sled and dog-team away from here. Jimmy may go to Fort McPherson by sled, and if he does, I shall probably accompany him, to see whether our goods came down the Mackenzie last summer. As soon as the water opens, I shall try to get to Herschell Island, and if possible, get myself and goods taken to Baillie Island by whatever whaler is available; as well as attempt to purchase supplies of food, etc, from the whaling ships.

Ilavinirk is going with me to Langton Bay, to cross the mountain ridge over to Horton River, and pick up my collecting tools, and some other things cached by Stefansson during the "hard times" up river trip last November. We expect to meet Jimmy again at Fritz's house at mouth of Horton River. Then Ilavinirk will come back to fishing place (Ō'kat) to rejoin Stefansson.

In the meantime, Stefansson will start at once for Cape Parry (with Billy, probably), to bring down some more necessary supplies. Then, he intends to start east along the coast

March 13 (Sunday).

in the direction of the Coppermine country, crossing the Cape Parry peninsula at this point, to Darnley Bay, thence either rounding Cape Lyon, or across the corner of land south of Cape Lyon, thence along the coast as far as practicable. He will take two sleds, and while Stefánsson with Billy and Tanannuk may go a long distance, Ilavinirk with his family (wife, boy and little girl) intend to come back to Langton Bay sooner, in order to hunt seals, for a blubber supply for next winter, and later to hunt deer around Langton Bay, for clothing skins as well as to make a meat cache in the ice house there. Stefánsson expects meet me next August at Baillie Island, with the big canoe (umiak). In the meantime he hopes to get in touch with the natives (Eskimos) of the region about the mouth of the Coppermine, so that we can be more successful in exploring that country next winter.

Mr. Stefánsson collected a number of skins for the Museum last fall and winter —

March 13 (Sunday).
Three Barren Ground Bears, seven Caribou, one Wolverine, one White Wolf, one Arctic Fox, but with the exception of one Barren Ground Bear, skin and head now in ice-house at Langton Bay, all the other skins were destroyed by Wolverines or Eaten by the party during a starvation period. I have one skin of Arctic Hare, one Arctic Fox, and one light slate-colored Blue Fox skin now in the house at the "Alexander" wreck.

March 14 (Monday). M.T. -21°. -17° at 8ᵒᵒ a.m.
Clear, Light SW wind. -21° at 6:ᵒᵒ p.m.
Fog came up about 9ᵒᵒ a.m., and gradually thickened until a light snow was falling from 12 M. to 2ᵒᵒ p.m.
Started from fishing place (Okt) for Langton Bay, with Ilavinik and Palaiyuk, at 11ᵒᵒ a.m., and reached old whalers' house about 4:30 p.m., going in a general W. & SW direction, and travelling four or five miles over low, flat, grassy land. Took six dogs, and half a sled load of tomcod, besides little flour and tea, and sleeping gear and small tent. Inuing started at same time, with six dogs, and sled well loaded with fish, and dog-feed. His intention is to strike straight across Franklin

March 14 (Monday)

Bay, to west shore, some distance south of Horton R. mouth, and wait for us at Capt. Wolki's house. He wants to set a few traps at the old whale carcass there. We made slow time today, in new snow, with fairly heavy loads. evening clear, and cold.

Before leaving, Mr. Stefánsson gave me a letter, of which following is a copy:

"Cape Parry,
March 14, 1910.

To whom it may concern:

This is to certify that Dr. R. M. Anderson is authorized to act in my stead in any matter concerning the carrying forward for the year 1910-1911 of the work of the "Stefánsson Arctic Expedition" to purchase any goods he considers necessary for promoting this work, and to draw in payment thereof sight drafts, payable after January first, nineteen hundred eleven, on any funds to the credit of the said "Expedition" in the hands of the American Museum of Natural History of New York City or

March 14 (Monday).
[continued]

the Geological Survey of the Dominion of Canada. (signed) V. Stefansson."

We also made out a list of supplies to be purchased at Fort McPherson, and from the whaling ships next summer, if possible

No.'s.					
329	♀	Chen hyperboreus	Near Kay Point, Y.T., Canada.	Aug.	26, 1909.
330.	♀	Acanthis ~~linaria~~ hornemanni exilipes	Near Shingle Pt. Yukon T.	Sept.	3. "
331.	♂	Calcarius lapponicus	" " "	"	3, "
332.	♀	Calcarius lapponicus	" " "	"	3. "
333.	♂	Lagopus lagopus	lagopus, Tent Isl., Mackenzie Delta.	"	7. "
334.	♂	Lagopus lagopus	" " " "	"	7. "
335.	♂	Gavia ~~arcticus~~ pacifica	" " " "	"	7. "
336.	♀	Larus ~~sp.~~ hyperboreus juv.	" " " "	"	8. "
337.	♂	~~Scolecophagus~~ Euphagus carolinus	" " " "	"	9. "
338.	♂	~~Scolecophagus~~ Euphagus carolinus	" " " "	"	9. "
339.	♀	Calcarius lapponicus	" " " "	"	9. "
340	♀	Chen h. hyperboreus juv.	" " " "	"	9. "
341.		Shrew sp. (in alcohol)	E. Richard Island.	"	14. "
342.	♂	Acanthis ~~linaria~~ hornemanni exilipes	Richard Island	"	15. "
343.	♂	Lagopus lagopus	" " " "	"	15. "
344.	♀	" "	" " " "	"	15. "
345.		Insects (Beetles, Spiders, Flies etc. (in alcohol)	"	Sept.	5-17. "
346.	♂	ad. Fiber zibethicus	Richard Island.	"	17. "
347.	♂	ad. " "	Richard "	"	17. "
348.	♂	juv. " "	" " "	"	17. "
349.	♂	juv. " "	" " "	"	17. "
351.	♂	juv. " "	" " "	"	17. "
351.	♂	ad. Spermophilus parryi	" " "	"	17. "
352.	♂	(?) ~~Tychys Marita nearctica~~ Marila	" " "	"	17. "

353. ♀ Ozidemia deglandi – W. of Kittigaryuit. ~~Spermophilus parryi~~ – ~~Richard Island~~ Mackenzie Delta. Sept. 19. 1909.
354. ♂ Lagopus rupestris. S. of Toker Point, N.W.T. " 27. "
355. ♂ Plectrophenax nivalis. " " " " " 27. "
356. ♂ Shrew. " " " " " 28. "
357. ♀ " " " " " " 29. "
358. ♂ " " " " " " 30. "
359. ♂ Mouse (Arvicola? sp.). " " " " " 30. "
360. ♀ Shrew " " " " " 30. "
361. ♂ Mouse (Arvicola? sp.) " " " " Oct. 2. "
362. ♂ " " " " " " " " 5. "
363. ♂ " " " " " " " " 7. "
364. ♂ " " " " " " " " 8. "
365. ♂ " " " " " " " " 9. "
366. ♂ Arctic Fox " " " " " 11. "
367. ♂ Mouse " " " " " 14. "
368. ♂ " " " " " " " 14. "
369. ♂ " " " " " " " 15. "
370. Parasites from Arctic Fox Booth Isl. Cape Parry N.W.T. Dec. "
371. ♂ Arctic Hare. Cape Parry. Jan. 7, 1910.
372. ♂ " Fox " " Feb. 7. "
373. ♀ Blue Fox " " " " 23. "
374. ♂ Arctic Fox Liangton Bay. Mar. 5. "
375.
376.

377.
378.
379.
380.
381.
382. March, 1910
383.

Day	Min. Temp.	Max. rec. Temp	Prev'g Wind
384. 1	-35°	-18°	NE
385. 2	-35	-28	NE
386. 3	-34	-25	SW
387. 4	-29	-20	WSW
388. 5	-35	-28	W
389. 6	-45	-38	SW
390. 7	-49	-36	SW
391. 8	-44	-38	SW
392. 9	-47	-20	SW-E
393. 10	-45	-32	NE
394. 11	-45	-30	NE
395. 12	-33	-10	NE
396. 13	-32	-2	SW.
397. 14	-21	-17	SW.
398. 15			
399. 16			
400. 17			

August, 1909

Day.	Minimum Temp	Max'm recorded Temp	Prevailing Wind.
22	+32°	+33°	SW-NW.
23	+32°	+32°	NW.
24	+31°	+33°	NW.
25	+31°	+37°	NW
26	+30°	+38°	SW.
27	+28°	+30°	SW.
28	+35°	+45°	NE-SW.
29	+36°	+55°	NW
30	+33°	+34°	NW.
31	+33°	+36°	NE-SW.

Day	Sept. 1909 Minimum Temp'r't.	Maximum recorded Temp	Prevailing Wind
1	+35°F.	+36°	SW-NE
2	+34	+36	SW
3	+35	+36	NE
4	+33	+34	SW
5	+34	+39	SW-NE
6	+33	+34	E str
7	+30	+31	0
8	+30	+40	0
9	+31	+32	E. str
10	+32	+33	ESE
11	+34	+42	SW
12	+40	+40	NW
13	+38	+38	SW
14	+38	+42	NE
15	+40	+48	ENE
16	+36	+38	NW
17	+29½	+31	NW
18	+25	+26	NE
19	+31	+32	E
20	+29	+30	NE
21	+28	+33	0
22	+28	+30	SW
23	+26	+27	NW
24	+20	+21	NW
25	+20	+21	NW
26	+28	+30	NW
27	+24	+26	0
28	+15	+18	SE-SW
29	+17	+29	NW
30	+15	+18	NW

Day	October 1909 Min. Temp.	Max. recrd Temp.	Prevailing Wind
1	+23°	+29°	NW
2	+27	+27	NW
3	+26	+30	NW
4	+23	+28	NE
5	+17	+17	NE
6	+13	+15	NE
7	+15	+17	SW
8	+5	+13	S
9	+14	+15	S
10	+3	+14	S
11	+13	+23	S
12	+22	+22	NW
13	+17	+22	NE
14	+24	+24	0
15	+21	+22	NW
16	+9	+21	NW
17	+12	+22	SW
18	-4	+1	0
19	-6	+1	SW
20	-12	+12	SW
21	+9	+14	SW
22	-12	-5	SW
23	-10	-4	SW
24	+3	+18	SW
25	-2	+14	SW
26	+3	+19	NE
27	+16	+17	NE
28	-3	+8	NE
29	-11	+5	NE
30	-17	-14	
31	-19	-2	NE

Day	November 1909 Min Temp.	Max. rec. Temp.	Prev. Wind
1	+1	+10	NE
2	-14	-5	SW
3	-4	+5	NE-SW
4	-16	-10	SW
5	-16	-16	SW
6	-22	-22	SW
7	-32	-20	0
8	-22	-12	E
9	-17	-17	E
10	-27	-22	E
11	-22	-6	E-SE-SW
12	-22	-12	SW
13	-14	+8	SE-SW
14	-12	-12	0
15	-10	+2	NW
16	-5	+8	NW
17	-5	+2	NW
18	-17	-17	0
19	-24	-19	NE
20	-27	-10	W
21	-10	-10	W
22	-32	-28	0
23	-32	-31	WNW
24	-20	-12	NW
25	-15	-15	SW
26	-25	-25	NW
27	-31	-30	NW
28	-33	-24	0-SW
29	-23	-18	SW
30	-28	-23	SW

December 1909

Day.	Min Temp	Max. rec. Temp.	Prev. Wind
1	—	—	SW
2.	colder		SW
3	—	—	SW-NW
4	—	cold	NW
5	—	cold	SW
6	—	cold	NE-SE
7	—	cold	SW
8	warmer		O-SW
9	Warmer	-12°	SW
10	-23	-22	SW.
11	-25	-11	SW
12	-26	-19	SW
13	-32	-22	SW-NE
14	-26	-20	NE
15	-20	-6	NE
16	-7	+8	E-SE
17	+7	+12	NE
18	+5	+6	NW-NE
19	-25	-20	NE
20	—	+10	SW.
21	-5	+10	SW
22	+5	+10	SW
23	-12	-4	NW
24	-10	0°	SW.
25	-15	-15	SW
26	-30	-17	NE
27	-17	+10	O-SE
28	-10	+15	SW.
29	-7	-7	NW
30	-11	-6	NW
31	-2	-2	NW

January 1910

Day	Min Temp.	Max rec. Temp	Prev. Wind.
1	-25	-23	O-SW
2	-23	0°	SW-NE
3	0°	+10	NE
4	-5	+3	NW-W
5	-15	-8	SE
6	-17	-10	E-SE
7	-12	+3	SE.
8	-6	-3	O-NW
9	-15	-15	NW
10	-25	-25	NW-W
11	-28	-25	SW
12	-30	-30	SW.
13	-31	-26	E
14	-26	-18	SW
15	-18	-18	SW.
16	-20	-5	NW.
17	-20	-6	E.
18	-10	-10	NE-SW
19	—	cold	SW.
20	—	—	SW.
21	—	—	O
22	—	—	E.
23	-26	-23	NE
24	-26	-20	NE
25	-21	-15	E.
26	-15	-8	E.
27	-15	-14	O-E
28	-14	-7	O
29	-10	-2	E.
30	-22	-22	SW.
31	-25	-25	SW.

Feb. 1910

Day	Min. Temp.	Max rec Temp	Wind.
1	-27°	-26°	SW.
2	-35	-33	SW.
3	-42	-39	SW-SE
4	-46	-33	S SE
5	-37	-28	E
6	-30	-20	E.
7	-21	-14	NE.
8	-24	-22	E.
9	-25	-16	E
10	-24	-19	NNE
11	-22	-15	E
12	-30	-26.	W
13	-33	-30	W
14	-33	-26	W.
15	-28	-14	W
16	-24	-14	W.
17	-20	-12	W.
18	—	—	W.
19	-32	-27	NW
20	-35	-27	W.
21	-31	-24	W.
22	-29	-26	SW.
23	-34	-29	W
24	-30	-16	W
25	-22	-13	W
26	-35	-33	W
27	-44	-30	E.
28	-38	-26	E

Anderson, R.M. Field Notes Book V

22 Aug 1909--14 Mar 1910

Diary--kept daily about travel, weather, species and experiences
--includes a list of specimens collected and a daily list of temperatures, minimum and maximum, plus direction of wind.

Route covered--From Herschel Island, Yukon Territory, Canada, east through MacKenzie Delta, to Richard Island, N.W.T., Token Point, Cape Brocon, Cape Dalhousie, Liverpool Bay, Nicholson Island, Baillie Island, Cape Bathurst, Franklin Bay, Horton River, Langton Bay, Cape Parry, Booth Island, and back to Langton Bay.

Type of book--Original, handwritten. Black leather, no trim. 19.9 cm X 12.8 cm X 1.5 cm.
--Typewritten, grey with red spine. 26 cm X 19.4 cm.

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